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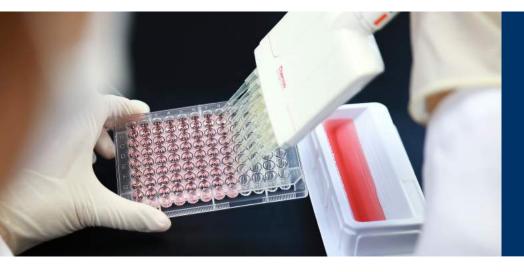
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Striving for Better Life

SPL Life Sciences

SPL Life Sciences Co., Ltd. is a leading manufacturer / exporter of scientific plastic lab-ware in Korea. Since established in 1987, we have been dedicated to manufacture high quality plastic lab-ware complying with the finest standards in the industries. With a team of enthusiastic professionals continuously engaging in research, development and quality control, we are proud to be known to produce products fully satisfying the international regulatory requirements.

For over the three decades in the industry, we have gained enormous amount of knowledge and experiences. Our highly qualified and experienced personnel strive for their best to produce high quality products at competitive prices. Along with the dominant position in the domestic market, we have excelled in the international trade with customers in the United States, most countries in Europe and Asia. We are rapidly gaining international reputation by promptly developing most advanced products used in life science field.

We, SPL Life Sciences, are committed to meet the needs of the customers on providing up-to-date life science technology. With active investments in the Research & Development, we are offering even more innovative solutions in a wide range of life science applications.







Sterility

The sterility of SPL products is fully validated and qualified to be in compliance with ISO 11137-1 regulatory requirements that includes the routine control of sterilization process. Randomized selection, examination and monitoring ensures the overall process and products, labeled as sterile, are within the predetermined limits with an SAL (Sterility Assurance Level) of 10⁻⁶.

Non-cytotoxic

The cytotoxicity of SPL products is routinely tested according to the principles of the MEM Elution, described by the FDA guidelines.

Non-pyrogenic

Endotoxin level of SPL products are tested according to the principles of the LAL (Limulus Amoebocyte Lysate) test, described in the FDA guidelines for medical products, and certified to be non-pyrogenic with a documented endotoxin level of less than 0.01 EU / ml.

DNase / RNase-free

SPL products are routinely tested according to the Standard Operating Procedure of SPL Life Sciences, and certified to be less than 1 x 10⁻⁶ Kunitz units for DNase, 1 x 10⁻⁹ Kunitz units for RNase.

Human DNA-free

The human DNA of SPL products are routinely tested according to the Standard Operating Procedure of SPL Life Sciences, and certified to be less than 2 pg for human DNA.

1. Cell Culture



For more than a century, cells have provided humanity with deep and fascinating insights into nature. Being a common laboratory technique, cell culture is one of the most critical aspects in biology-related researches and industries.

SPL provides customers with a wide range of high quality cell culture products, including cell culture flasks, cell culture dishes, microplates, cryovials and other essential accessories.

All SPL products meet the international guidelines including ISO 9001 and USP class VI compliance.

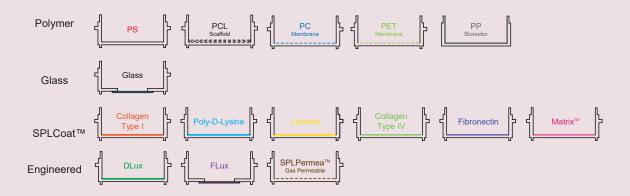
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For more than a century, cell culture researches have provided humanity with deep and fascinating insights into nature. Being a common laboratory technique, cell culture is one of the most critical aspects in biology-related researches and industries.

SPL Life Sciences provides customers with a wide range of high quality cell culture products, from basic cell culture vessels to more advanced platforms and accessories.

All SPL cell culture products meet international guidelines / regulations, such as ISO (International Organization for Standardization), ANSI (American National Standard Institute) and USP (United States Pharmacopeia, class VI). Polymer resins used to manufacture all products have followed international guidelines such as CONEG, SARA, Reach EC / 1907 / 2006, RoHS 2002 / 95 / EC. Biological tests (endotoxin, cytotoxicity, DNase / RNase / DNA) as well as cell attachment tests are regularly performed for quality control.

Surfaces & Materials of SPL Life Sciences Cell Culture Products



Surfaces

SPL Life Sciences offers a great diversity in surface conditions suitable for optimal cell growth. The suitability and efficiency of such treatments are routinely confirmed.

Cell Culture-Treated	Optimal surface that facilitates cell attachment and growth, perfectly got most applications involving adherent cell culture.
Non-Treated	Naturally charged and relatively hydrophobic compared to treated surface, better for suspension cell culture.
SPLCoat™	Uniform coatings of ECM proteins/chemicals that enhance cell attachment, growth and differentiation.

Materials

	Made of optically clear and transparent polystyrene suitable for observation. Polystyrene is especially useful material option in cell culturewares since it promotes cell binding, and is applicable to all surface treatments.
Glass	Naturally charged and relatively hydrophobic compared to treated surface, better for suspension cell culture.
Polycaprolactone (PCL)	Biodegradable polymer suitable for cell attachment, provided in 3-Dimensionsal structure.
DLux	Surface modified plastic for enhanced cell attachment, with minimal autofluorescence and high chemical resistance.
FLux	Surface modified plastic film for enhanced cell attachment, optimal for confocal microscopy.
	Engineered gas-permeable membrane that allows rapid equilibration between partial pressures of oxygen in the atmosphere and the ware.
	Provided in porous membrane that is stain-free, low background interference.
Polyethylene terephthalate (PET)	Provided in porous membrane that retain high chemical resistance and low protein binding property.
	Biocompatible polymer for suspension culture.

	;	Surfaces	Materials										
	Cell Culture- Treated	Non-Treated	SPLCoat™	PS	Glass	PCL	DLux	FLux	Permea™	РС	PET	РР	Nylon
Cell Culture Ware	•	•		•								•	
SPLCoat™			•	•	•								
Cellular Imaging	•	•		•	•		•	•					
SPL3D™	•	•				•							
SPLInsert™	•	•		•						•	•	•	
SPLPermea [™]	•								•		•		•
SPLScar™	N/A												
In vitro Fertilization	•	•		•									
Cryoware	N/A												
SPLFlow™								•					
Accessories		N/A											

1-1. Cell Cultureware

SPL Cell Culture Wares are ergonomically designed to maximize safety, efficiency and convenience in cell culture experiments, to meet the demands of all users.

- (1) Unique internal design for effective gas exchange.
- (2) External grips for preventing slipping and enabling easy distinction.
- (3) Venting position for T175 Cell Culture Flasks: plug cap turns clockwise smoothly until soft "click" indicates reaching the venting position. For gas-tight state, additional force is required to close the cap completely.







	;	Surfaces	3	Materials					
	Cell Culture- Treated	Non-Treated	SPLCoat™	PS	ЬР	PC	PET	HDPE	PTFE
Cell Culture Flask	•	•	•	•				•	
Cell Culture Dish	•	•	•	•					
Cell Culture Plate	•	•	•	•					
Square Dish	•			•					
Tray Plate	•			•					
Roller Bottle	•	•		•				•	
Erlenmeyer Flask		•			•	•			
Square Bottle		•					•	•	
Bioreactor		•		•	•			•	•

Culture Flasks of SPL Life Sciences are ergonomically designed for easy handling, while achieving minimal contamination during cell culture. Short, wide and angled neck design enables easy access of serological pipettes and cell scrapers. Flasks are divided into 12 types, depending on the culture scale and the cap type (and surface treatment). Cell growth area for T25, T75 and T175 are 25 cm², 75 cm², and 175 cm², respectively. Each flask can be provided with plug or filter caps.

- Ergonomic design to facilitate easy handling and minimize contamination
- Short & wide neck with angled design allows easy access
- Excellent stackability
- Plugs & filter caps are available for all flask models
- A range of cell growth area: 25 cm², 75 cm², 175 cm²
- Venting position for 175 cm² plug cap model (Cat. No. 72175, 73175)
- Non-treated models (for suspension culture) are provided with the white caps
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase–free
- Human DNA–free

Cell Culture Flask 25 cm ²										
Туре	Cat. No.	Material (Body / Cap)	Cap Type	Growth Area (cm²)	Working Vol. (ml)	Total Vol. (ml)	Surface Treatment	Sterile	Packaging	
©	70025	PS / HDPE	Filter	25.00	7.00	60.00	+	+	5 / 200	
	70125	PS / HDPE	Plug	25.00	7.00	60.00	+	+	5 / 200	
	70325	PS / HDPE	Filter	25.00	40.00	60.00	-	+	5 / 200	
o 🗀	70225	PS / HDPE	Plug	25.00	40.00	60.00	-	+	5 / 200	
Cell Culti	ure Flas	k 75 cm ²	!							
	70075	PS / HDPE	Filter	75.00	25.00	250.00	+	+	5/100	
	70175	PS / HDPE	Plug	75.00	25.00	250.00	+	+	5 / 100	
	70375	PS / HDPE	Filter	75.00	170.00	250.00	-	+	5 / 100	
	70275	PS / HDPE	Plug	75.00	170.00	250.00	-	+	5 / 100	
Cell Culti	ure Flas	k 175 cm ²	2							
	71175	PS / HDPE	Filter	175.00	50.00	650.00	+	+	5 / 40	
	72175	PS / HDPE	Plug	175.00	50.00	650.00	+	+	5 / 40	
	74175	PS / HDPE	Filter	175.00	450.00	650.00	-	+	5 / 40	
	73175	PS / HDPE	Plug	175.00	450.00	650.00	-	+	5 / 40	

For surface coated Cell Culture Flasks (SPLCoat™- Collagen type I & IV, Poly-D-Lysine, Laminin, Fibronectin, Matrix™) → (18 - 24p)





SPL Life Sciences provides a wide range of Cell Culture Dishes with the highest quality.

All of the Cell Culture Dishes are produced with optically clear, high quality polymers for microscopy.

- Unique lid inner design for effective gas exchange
- External grip for better handling (Cat. No. 11035, 11060, 20035, 20060, 20101)
- Excellent stackability
- Compliant with USP guideline (USP class VI tested)

- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA–free

Cell Culture Dish											
Туре	Cat. No.	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm²)	Working Vol. (ml)	External Grip	Surface Treatment	Sterile	Packaging		
0	11035	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	-	+	10/500		
0	11060	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	-	+	10/500		
\bigcirc	11090	90.00 x 15.00	85.73 x 12.60	57.50	12.50	-	-	+	10 / 500		
	11150	150.00 x 20.00	138.57 x 15.40	148.00	35.00	-	-	+	10 / 120		
	11151	150.00 x 25.00	138.57 x 23.30	148.00	35.00	-	-	+	10 / 120		
0	20035	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	+	+	10 / 500		
0	20060	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	+	+	10 / 500		
\bigcirc	20100	90.00 x 20.00	86.26 x 17.70	57.50	12.50	-	+	+	10 / 200		
	20101	90.00 x 20.00	87.48 x 16.40	57.50	12.50	+	+	+	10 / 200		
	20150	150.00 x 25.00	138.57 x 23.30	148.00	35.00	-	+	+	10 / 120		
	20151	150.00 x 20.00	138.57 x 15.40	148.00	35.00	-	+	+	10 / 120		

For surface coated Cell Culture Dishes (SPLCoat™ - Collagen type I & IV, Poly-D-Lysine, Laminin, Fibronectin, Matrix™) → (18 - 24p)



Cell Culture Plates are widely used for handling multiple samples in a single experiment during culture. SPL Life Sciences provides a wide range of multiwell plates from 6well to 384well plates for cell culturing purposes.

- Designed to prevent cross contamination
- Effective gas exchange lid inner design
- Alphanumeric labeling
- Homogeneous cell culture
- 2 bottom types for 96well plates: Flat / Round
- HTS (High-Throughput Screening) compatible for 96well and 384well plates
- Compliant with USP guideline (USP class VI tested)
- Compliant with ANSI guideline

- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase–free
- Human DNA-free

Cell C	ulture	e Plate	: Gwell							
Туре	Cat. No.	Material	External Dimensions w x l x h (mm)	Bottom Type	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Surface Treatment	Sterile	Packaging
888	30006	PS	85.40 x 127.60 x 20.20	Flat	35.00 x 17.50	9.60	3.00	+	+	1/50
888	31006	PS	85.40 x 127.60 x 20.20	Flat	35.00 x 17.50	9.60	3.00	-	-	1/50
888	32006	PS	85.40 x 127.60 x 20.20	Flat	35.00 x 17.50	9.60	3.00	-	+	1/50
Cell C	ulture	e Plate	: 12well							
	30012	PS	85.40 x 127.60 x 20.20	Flat	21.90 x 17.50	3.80	2.00	+	+	1/50
	31012	PS	85.40 x 127.60 x 20.20	Flat	21.90 x 17.50	3.80	2.00	-	-	1/50
	32012	PS	85.40 x 127.60 x 20.20	Flat	21.90 x 17.50	3.80	2.00	-	+	1/50
Cell Ci	ulture	Plate 2	24well							
	30024	PS	85.40 x 127.60 x 20.20	Flat	15.50 x 17.50	1.90	1.00	+	+	1/50
	31024	PS	85.40 x 127.60 x 20.20	Flat	15.50 x 17.50	1.90	1.00	-	-	1/50
	32024	PS	85.40 x 127.60 x 20.20	Flat	15.50 x 17.50	1.90	1.00	-	+	1/50
Cell Cı	ulture	Plate 4	48well							
	30048	PS	85.40 x 127.60 x 20.20	Flat	9.75 x 17.50	0.75	0.50	+	+	1/50
	31048	PS	85.40 x 127.60 x 20.20	Flat	9.75 x 17.50	0.75	0.50	-	-	1/50
	32048	PS	85.40 x 127.60 x 20.20	Flat	9.75 x 17.50	0.75	0.50	-	+	1/50
Cell Cı	ulture	Plate 9	96well							
	30096	PS	85.40 x 127.60 x 14.40	Flat	6.50 x 10.80	0.33	0.20	+	+	1/50
	31096	PS	85.40 x 127.60 x 14.40	Flat	6.50 x 10.80	0.33	0.20	-	-	10 / 100
	32096	PS	85.40 x 127.60 x 14.40	Flat	6.50 x 10.80	0.33	0.20	-	+	1/50
	34096	PS	85.40 x 127.60 x 14.40	Round	6.92 x 12.00	0.66	0.20	+	+	1/50
	34196	PS	85.40 x 127.60 x 14.40	Round	6.92 x 12.00	0.66	0.20	-	-	10 / 100
	34296	PS	85.40 x 127.60 x 14.40	Round	6.92 x 12.00	0.66	0.20	-	+	1/50
Cell C	ulture	e Plate	: 384well							
	37384	PS	85.40 x 127.60 x 14.40	Flat	3.00 x 11.50	0.07	0.10	+	+	10 / 40
	38384	PS	85.40 x 127.60 x 14.40	Flat	3.00 x 11.50	0.07	0.10	-	+	10 / 40

For surface coated Cell Culture Plates (SPLCoat™ - Collagen type I & IV, Poly-D-Lysine, Laminin, Fibronectin, Matrix™) → (18 - 24p)

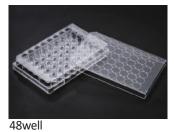






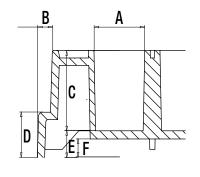






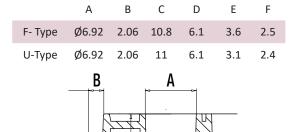
96well











Black Plates are designed for minimum light scattering and cross-talk during fluorescence assay. White plates provide maximum reflection and minimum cross-talk for luminescence assay.

- HTS (High-Throughput Screening) compatible
- Suitable for fluorescence and luminescence assay
- Non-treated for suspension culture (Cat. No. 30396, 30496)
- Designed to prevent cross contamination
- Effective gas exchange lid inner design
- Alphanumeric labeling
- Homogeneous cell culture
- Flat bottom
- Compliant with USP guideline (USP class VI tested)
- Compliant with ANSI guideline
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



Blac	Black and White Plate 96well												
Туре	Cat. No.	Material	Color	External Dimensions w x l x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Surface Treatment	Sterile	Packaging			
	30196	PS	White	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	+	+	1/50			
	30296	PS	Black	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	+	+	1/50			
	30396	PS	White	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	-	-	1/50			
	30496	PS	Black	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	-	-	1/50			

Square Dishes for cell culture provide gridded surface area for confirming cell location, and are ideal for cell counting.

- Large culture area compared to conventional round cell culture dishes
- Available with grids for counting or confirmation of location
- Optically clear and flat surface for microscopy
- Effective gas exchange lid inner design
- Excellent stackability
- Non–pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



Squar	e Dish							
Туре	Cat. No.	Material	External Dimensions w x l x h (mm)	Well Dimensions w x l x h (mm)	Growth Area (cm ²)	Surface Treatment	Sterile	Packaging
	10125	PS	126.40 x 126.40 x 20.00	118.70 x 118.70 x 11.60	139.00	+	+	5 / 60

Tray Plate, Roller Bottle

SPL's Tray Plates provide a larger surface area and easy handling compared to those of conventional round type dishes. The external dimensions of Tray Plates are identical to those of standard SPL Cell Culture Plates for broader applications.

- Optically clear & flat for microscopy
- Effective gas exchange lid inner design
- Non–pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



Tray F	Plate							
Туре	Cat. No.	Material	Well Dimensions w x l x h (mm)	Well Dimensions w x l x h (mm)	Growth Area (cm²)	Surface Treatment	Sterile	Packaging
	30001	PS	127.94 x 85.50 x 16.25	105.47 x 69.46 x 11.60	73.26	+	+	1/50

SPL Life Sciences provides Roller Bottles for scale-up culture of cells. Cylindrical vessel structure of the Roller Bottles, combined with constant rotating culture procedure, provides a very economical means for cultivating large numbers of cells with using minimal amount of necessary reagents and labor.

- Prevention of gradient formation through gentle agitation / rotation
- Superior gas exchanging environment for anchorage dependent cells
- Optically clear for microscopy
- Surface treated bottles for anchorage-dependent cell culture (Cat. No. 55085, 55285)
- Non-treated bottles for suspension cell culture (Cat. No. 55185, 55385)
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



Roller Bottle												
Туре	Cat. No.	Material (Body / Cap)	Сар Туре	Surface Type	Growth Area (cm ²)	Surface Treatment	Sterile	Packaging				
	55085	PS / HDPE	Plug	Smooth	850.00	+	+	2 / 40				
0	55185	PS / HDPE	Plug	Smooth	850.00	-	+	2 / 40				
0	55285	PS / HDPE	Filter	Smooth	850.00	+	+	2 / 40				
0	55385	PS / HDPE	Filter	Smooth	850.00	-	+	2 / 40				

SPL Life Sciences provides Erlenmeyer Flasks, suitable for animal cell and microbial suspension culture. The flask is designed to allow efficient suspension culture, provided in four different volumes, and are all sterilized before the release.

- Suitable for suspension cultures (animal cells, bacteria, fungi, plant callus, etc.)
- Require shaking apparatus (optimization of cell seeding density and working volume is recommended, depending on the type of cell)
- Plugs & filter caps are available for all flask types
- Non-treated
- Durable & transparent polycarbonate
- Autoclavable
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free







Filter Cap

Erlenm	Erlenmeyer Flask											
Тур	e	Cat. No.	Material (Body / Cap)	Сар Туре	Total Vol. (ml)	Sterile	Packaging					
	0	73250	PC / PP	Plug	250.00	+	1/8					
	0	74250	PC / PP	Filter	250.00	+	1/8					
	0	73500	PC / PP	Plug	500.00	+	1/8					
	0	74500	PC / PP	Filter	500.00	+	1/8					
	0	73000	PC / PP	Plug	1,000.00	+	1/4					
	0	74000	PC / PP	Filter	1,000.00	+	1/4					
	_0	73002	PC / PP	Plug	2,000.00	+	1/6					
	- ⊙	74002	PC / PP	Filter	2,000.00	+	1/6					

SPL Life Sciences provides Cell Culture Square Bottles, suitable for animal cell and microbial suspension culture.

The shape of the bottle is specially designed to cause turbulent flow of media when physically swirled for more effective solution mixing and oxygen supply. The square bottles are provided in four different volumes, which are all sterilized before the release.

• Suitable for suspension cultures (animal cells, bacteria, fungi, plant callus, etc.)

Cell Culture Square Bottle

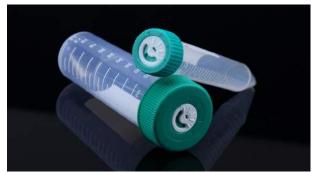
- Require shaking apparatus (optimization of cell seeding density and working volume is recommended, depending on the type of cell)
- The square-shaped bottle is intended to cause turbulent flow like baffled Erlenmeyer Flask
- Plugs & filter caps are available for all bottle types
- Non-treated
- Transparent PET
- Non-autoclavable
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



Cell Culture Square Bottle										
Туре		Cat. No.	Material (Bottle / Cap)	Cap Type Total Vol. (ml)		Sterile	Packaging			
		51125	PET / HDPE	Plug	125.00	+	1/36			
	0	51126	PET / HDPE	Filter	125.00	+	1/36			
	0	51250	PET / HDPE	Plug	250.00	+	1/30			
	0	51251	PET / HDPE	Filter	250.00	+	1/30			
	0	51500	PET / HDPE	Plug	500.00	+	1/15			
	0	51501	PET / HDPE	Filter	500.00	+	1/15			
	0	51000	PET / HDPE	Plug	1,000.00	+	1/8			
	0	51001	PET / HDPE	Filter	1,000.00	+	1/8			

SPL Bioreactors are designed mammalian cells and microorganism under suspension condition. Tubes are sterilized after complete packaging to eliminate contamination. The air circulation within the reactor can be controlled by the dial on the center of the reactor cap, providing 4 levels of ventilation.

- Four different levels of ventilation (dial type) on the cap
- 0.2 μm PTFE filter membrane
- Suitable for suspension culture
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



Bioreac	Bioreactor											
Туре	Cat. No. Material (Tube / Cap / Filter / Dial) Cap Type Total Vol. (ml) Surface treatment Sterile F											
	51315	PP / HDPE / PTFE / PS	Filter	15.00	-	+	3/90					
	50351	PP / HDPE / PTFE / PS	Filter	50.00	-	+	3/90					

1-2. SPLCoatTM

Interactions of cells with surrounding extracellular environment actively regulate cellular functions, including adhesion, migration, differentiation, proliferation, invasion and survival. Extracellular matrix (ECM) proteins, such as collagen and laminin are readily used to promote cellular adhesion growth in in vitro cell-based applications.

SPL Life Sciences offers a wide range of ECM protein-coated products to meet individual needs. No washing is required before use and all products are optically clear for microscopy.

Collagen Type I: the most abundant protein in human body in forms of collagen fibers, induces stronger cell binding to the surface Poly-D-Lysine (PDL): a synthetic form of polymeric amino acid, induces stronger cell binding

Laminin: a major protein in basal lamina that is frequently used for stem cell cultures playing critical roles in cell differentiation and migration

Collagen Type IV: a type of collagen found primarily in the basal lamina that is a layer of extracellular matrix secreted by the epithelial cells Fibronectin: a high molecular glycoprotein found abundantly in blood and connective tissues

Matrix™: a major protein in Englbreth-Holm-Swarm (EHS) mouse tumor cells that is frequently used for stem cell culture playing critical roles in cell diffentiation, angiogenesis and tumorigenesis models



		SH	'LCoat'"	" Materia	als	
	Collagen Type I	PDL	Laminin	Collagen Type IV	Fibronectin	Matrix™
Cell Culture Flask	•	•	•	•	•	•
Cell Culture Dish	•	•	•	•	•	•
Cell Culture Plate	•	•	•	•	•	•
Cell Culture Slide	•	•		•	•	•

SPL Life Sciences provides a wide range of high-quality Collagen Type I coated products. All Collagen Type I coated products are produced with optically clear and high quality polymers for microscopy.

Collagen Type I Coated Ware

- Source: Rat Tail Tendon
- No washing required before use
- Shelf life: 6 months at room temperature



Flask						
Туре	Cat. No.	Material (Body / Cap)	Сар Туре	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	75025	PS / HDPE	Filter	25.00	7.00	5/10
	75075	PS / HDPE	Filter	75.00	25.00	5/10
	75125	PS / HDPE	Plug	25.00	7.00	5/10
	75175	PS / HDPE	Plug	75.00	25.00	5/10

Dish								
Туре	Cat. No.	Material	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Packaging
•	21035	PS	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	10 / 20
	21060	PS	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	10/20
	21100	PS	90.00 x 20.00	86.26 x 17.70	57.50	12.50	-	10 / 10
	21150	PS	150.00 x 25.00	140.20 x 23.30	148.00	35.00	-	5/5

Plate								
Туре	Cat. No.	Material	Plate Type	External Dimensions w x l x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Packaging
888	39006	PS	6well	85.40 x 127.60 x 20.20	35.00 x 17.50	9.60	3.00	1/5
	39012	PS	12well	85.40 x 127.60 x 20.20	21.90 x 17.50	3.80	2.00	1/5
	39024	PS	24well	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	1/5
	39048	PS	48well	85.40 x 127.60 x 20.20	9.75 x 17.50	0.75	0.50	1/5
	39096	PS	96well	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	1/5

Slide						
Туре	Cat. No.	Material (Chamber / Slide / Holder)	Chamber Color	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	30204	PS / Glass / PP	Clear	2.13	0.50 - 1.30	6/12
	30208	PS / Glass / PP	Clear	0.98	0.20 - 0.60	6/12

SPL Life Sciences provides a wide range of high-quality Poly-D-Lysine coated products. All Poly-D-Lysine coated products are produced with optically clear and high quality polymers for microscopy.

• Source: Synthetic

No washing required before use

• Shelf life: 6 months at room temperature



Flask						
Туре	Cat. No.	Material (Body / Cap)	Сар Туре	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	76025	PS / HDPE	Filter	25.00	7.00	5/10
	76075	PS / HDPE	Filter	75.00	25.00	5/10
	76125	PS / HDPE	Plug	25.00	7.00	5/10
	76175	PS / HDPE	Plug	75.00	25.00	5/10

Dish								
Туре	Cat. No.	Material	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Packaging
0	22035	PS	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	10 / 20
	22060	PS	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	10 / 20
	22100	PS	90.00 x 20.00	86.26 x 17.70	57.50	12.50	-	10 / 10
	22150	PS	150.00 x 25.00	140.20 x 23.30	148.00	35.00	-	5/5

Plate								
Туре	Cat. No.	Material	Plate Type	External Dimensions w x l x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Packaging
888	39206	PS	6well	85.40 x 127.60 x 20.20	35.00 x 17.50	9.60	3.00	1/5
	39212	PS	12well	85.40 x 127.60 x 20.20	21.90 x 17.50	3.80	2.00	1/5
	39224	PS	24well	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	1/5
	39248	PS	48well	85.40 x 127.60 x 20.20	9.75 x 17.50	0.75	0.50	1/5
	39296	PS	96well	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	1/5

Slide						
Туре	Cat. No.	Material (Chamber / Slide / Holder)	Chamber Color	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	30304	PS / Glass / PP	Clear	2.13	0.50 - 1.30	6/12
	30308	PS / Glass / PP	Clear	0.98	0.20 - 0.60	6/12

SPL Life Sciences provides a wide range of high-quality Laminin coated products. All Laminin coated products are produced with optically clear and high quality polymers for microscopy.

• Source: Engelbreth-Holm-Swarm mouse tumor

No washing required before use

• Shelf life: 3 months at refrigerated



Flask						
Туре	Cat. No.	Material (Body / Cap)	Сар Туре	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	77125	PS / HDPE	Plug	25.00	7.00	5/10
	77175	PS / HDPE	Plug	75.00	25.00	5/10

Dish								
Туре	Cat. No.	Material	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Packaging
0	23035	PS	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	10 / 20
0	23060	PS	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	10 / 20
	23100	PS	90.00 x 20.00	86.26 x 17.70	57.50	12.50	-	10 / 10
	23150	PS	150.00 x 25.00	140.20 x 23.30	148.00	35.00	-	5/5

Plate								
Туре	Cat. No.	Material	Plate Type	External Dimensions w x l x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Packaging
888	39306	PS	6well	85.40 x 127.60 x 20.20	35.00 x 17.50	9.60	3.00	1/5
	39312	PS	12well	85.40 x 127.60 x 20.20	21.90 x 17.50	3.80	2.00	1/5
	39324	PS	24well	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	1/5
	39348	PS	48well	85.40 x 127.60 x 20.20	9.75 x 17.50	0.75	0.50	1/5
	39396	PS	96well	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	1/5

SPL Life Sciences provides a wide range of Collagen Type IV coated products with high quality. All Collagen Type IV coated products are produced with optically clear and high quality polymers for microscopy.

- Source: Engelbreth-Holm-Swarm (EHS) lathrytic mouse tumor
- No washing required before use
- Shelf life: 3 months at refrigerated



Flask						
Туре	Cat. No.	Material (Body / Cap)	Сар Туре	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	78025	PS / HDPE	Filter	25.00	7.00	5/10
	78075	PS / HDPE	Filter	75.00	25.00	5/10
	78125	PS / HDPE	Plug	25.00	7.00	5/10
	78175	PS / HDPE	Plug	75.00	25.00	5/10

Dish								
Туре	Cat. No.	Material	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Packaging
•	24035	PS	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	10/20
	24060	PS	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	10/20
	24100	PS	90.00 x 20.00	86.26 x 17.70	57.50	12.50	-	10/10
	24150	PS	150.00 x 25.00	140.20 x 23.30	148.00	35.00	-	5/5

Plate								
Туре	Cat. No.	Material	Plate Type	External Dimensions d x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Packaging
888	39406	PS	6well	85.40 x 127.60 x 20.20	35.00 x 17.50	9.60	3.00	1/5
	39412	PS	12well	85.40 x 127.60 x 20.20	21.90 x 17.50	3.80	2.00	1/5
	39424	PS	24well	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	1/5
	39448	PS	48well	85.40 x 127.60 x 20.20	9.75 x 17.50	0.75	0.50	1/5
	39496	PS	96well	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	1/5

Slide						
Туре	Cat. No.	Material (Chamber / Slide / Holder)	Chamber Color	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	30604	PS / Glass / PP	Clear	2.13	0.50 - 1.30	6/12
	30608	PS / Glass / PP	Clear	0.98	0.20 - 0.60	6/12

SPL Life Sciences provides a wide range of high-quality Fibronectin coated products. All Fibronectin coated products are produced with optically clear and high quality polymers for microscopy.

• Source: Human plasma

No washing required before use

• Shelf life: 3 months at refrigerated



Flask	Flask											
Туре	Cat. No.	Material (Body / Cap)	Сар Туре	Growth Area (cm ²)	Working Vol. (ml)	Packaging						
	79025	PS / HDPE	Filter	25.00	7.00	5/10						
	79075	PS / HDPE	Filter	75.00	25.00	5/10						
	79125	PS / HDPE	Plug	25.00	7.00	5/10						
	79175	PS / HDPE	Plug	75.00	25.00	5/10						

Dish	Dish											
Туре	Cat. No.	Material	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Packaging				
•	25035	PS	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	10 / 20				
	25060	PS	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	10 / 20				
	25100	PS	90.00 x 20.00	86.26 x 17.70	57.50	12.50	-	10 / 10				
	25150	PS	150.00 x 25.00	140.20 x 23.30	148.00	35.00	-	5/5				

Plate										
Туре	Cat. No.	Material	Plate Type	External Dimensions w x l x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Packaging		
888	39506	PS	6well	85.40 x 127.60 x 20.20	35.00 x 17.50	9.60	3.00	1/5		
	39512	PS	12well	85.40 x 127.60 x 20.20	21.90 x 17.50	3.80	2.00	1/5		
	39524	PS	24well	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	1/5		
	39548	PS	48well	85.40 x 127.60 x 20.20	9.75 x 17.50	0.75	0.50	1/5		
	39596	PS	96well	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	1/5		

Slide						
Туре	Cat. No.	Material (Chamber / Slide / Holder)	Chamber Color	Growth Area (cm²)	Working Vol. (ml)	Packaging
	30704	PS / Glass / PP	Clear	2.13	0.50 - 1.30	6/12
	30708	PS / Glass / PP	Clear	0.98	0.20 - 0.60	6/12

SPL Life Sciences provides a wide range of high-quality Matrix $^{\text{\tiny{M}}}$ coated products. All Matrix $^{\text{\tiny{M}}}$ coated products are produced with optically clear and high quality polymers for microscopy.

- Source Engelbreth-Holm-Swarm (EHS) mouse tumor
- No washing required before use
- Shelf life: 3 months at refrigerated



Flask						
Туре	Cat. No.	Material (Body / Cap)	Сар Туре	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	710025	PS / HDPE	Filter	25.00	7.00	5/10
	710075	PS / HDPE	Filter	75.00	25.00	5/10
	710125	PS / HDPE	Plug	25.00	7.00	5/10
	710175	PS / HDPE	Plug	75.00	25.00	5/10

Dish								
Туре	Cat. No.	Material	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Packaging
0	27035	PS	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	10 / 20
	27060	PS	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	10/20
	27100	PS	90.00 x 20.00	86.26 x 17.70	57.50	12.50	-	10 / 10
	27150	PS	150.00 x 25.00	140.20 x 23.30	148.00	35.00	-	5/5

Plate	Plate											
Туре	Cat. No.	Material	Plate Type	External Dimensions d x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Packaging				
888	39606	PS	6well	85.40 x 127.60 x 20.20	35.00 x 17.50	9.60	3.00	1/5				
	39612	PS	12well	85.40 x 127.60 x 20.20	21.90 x 17.50	3.80	2.00	1/5				
	39624	PS	24well	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	1/5				
	39648	PS	48well	85.40 x 127.60 x 20.20	9.75 x 17.50	0.75	0.50	1/5				
	39696	PS	96well	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	1/5				

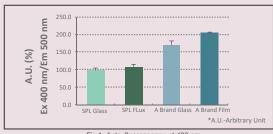
Slide						
Туре	Cat. No.	Material (Chamber / Slide / Holder)	Chamber Color	Growth Area (cm ²)	Working Vol. (ml)	Packaging
	30804	PS / Glass / PP	Clear	2.13	0.50 - 1.30	6/12
	30808	PS / Glass / PP	Clear	0.98	0.20 - 0.60	6/12

SPL Cellular Imaging products are designed to maximize convenience for a broad range of applications, including confocal microscopy, fluorescence microscopy, live cell imaging, and fluorescence-based analysis.

- Efficient light transmission and minimal auto-fluorescence to achieve the most accurate results
- Black colored products are designed to prevent well-to-well light interference for reliable results
- Various bottom types are available for a wide range of applications

		Surfaces	5		Mate	rials	
	Cell Culture- Treated	Non-Treated	SPLCoat™	Glass	DLux	FLux	PS
Black Plate	•	•		•		•	•
Cell Culture Slide	•	•	•	•	•	•	
Cell Culture Slide Hybridwell™	•	•		•	•	•	
Confocal Dish & Plate	•	•				•	

Detailed information on DLux & FLux – Light Transmission, Autofluorescence, Confocal Images



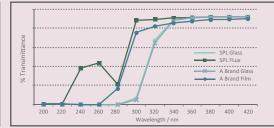


Fig.1, Auto-fluorescence at 400 nm SPL vs. A Brand

Fig.2. % Transmittance

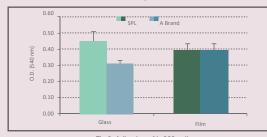






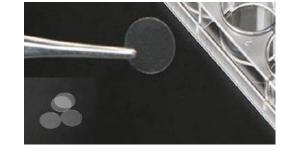
Fig.3. Adhesion of L-929 cells SPL vs. A Brand

Fig.4. Fluorescence cellular images on SPL Glass/FLux

The material used for SPL Coverslips is FLux film, that exhibits superior cell attachment with optimal thickness for high resolution microscopy.

- Resistant to breakage and various solvents
- Suitable for specimen preparation under optical microscopy
- Non-autoclavable

- Non-pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA-free



Coverslip											
Туре	Cat. No.	Material	Fits into	Dimensions (mm)	Sterile	Packaging					
0	20009	FLux	48well	9.00	+	100 / 200					
0	20012	FLux	24well	12.00	+	100 / 200					
0	20018	FLux	12well	18.00	+	100 / 200					
0	20025	FLux	6well	25.00	+	50 / 200					

SPL Black Plate has low auto-fluorescence with efficient light blocking ability to obtain the most accurate result in fluorescence experiments. Moreover, microscopic observation can be done simultaneously with fluorescence experiment due to its highly transparent bottom.

- Black wall / Clear bottom
- Bottom materials: Glass / FLux / PS
- Designed to prevent cross contamination
- Effective gas exchange lid inner design
- Alphanumeric labeling
- Individual packaging in plastic tray (Cat.No. 33196, 33296)
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



96wel	96well										
Туре	Cat. No.	Material (Plate / Bottom)	Bottom Type	External Dimensions w x l x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Total Vol. (ml)	Working Vol. (ml)	Surface Treatment	Sterile	Packaging
	33196	PS / Glass	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.40	0.20	-	+	1/20
	33296	PS / FLux	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.40	0.20	+	+	1/20
	33396	PS / PS	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.40	0.20	+	+	5 / 25

384well										
Туре	Cat. No.	Material (Plate / Bottom)	Bottom Type	External Dimensions w x l x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Surface Treatment	Sterile	Packaging
	332384	PS / FLux	Flat	85.40 x 127.60 x 14.40	3.00 x 11.50	0.07	0.10	+	+	1/10
	333384	PS / PS	Flat	85.40 x 127.60 x 14.40	3.00 x 11.50	0.07	0.10	+	+	1/10

SPL White Plate is suitable for obtaining amplified signals in a luminescence assay with high reflections and minimized cross-talk. In addition, the highly transparent bottom provides an optimal environment for microscopic observation at once.

- White wall / Clear bottom
- Bottom materials: Glass / FLux / PS
- Designed to prevent cross contamination
- Effective gas exchange lid inner design
- Alphanumeric labeling
- Individual packaging in plastic tray (Cat. No. 33496, 33596)
- Non pyrogenic
- Non cytotoxic
- DNase / RNase free
- Human DNA free



White I	White Plate											
Туре	Cat. No.	Material (Plate / Bottom)	Bottom Type	External Dimensions w x l x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Total Vol. (ml)	Working Vol. (ml)	Surface Treatment	Sterile	Packaging	
	33496	PS / Glass	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.40	0.20	-	+	1/10	
	33596	PS / FLux	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.40	0.20	+	+	1/10	
	33696	PS / PS	Flat	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.40	0.20	+	+	5 / 25	

SPL's Cell Culture Slides are designed for various cell-based experiments, including but not limited to virus and toxicity tests and immunocytological experiments. Cell Culture Slides provide removable chamber that enables cell growth directly on the microscopic slide, convenient for staining and microscopic examination without cell transfer. Chambers with various well numbers and colors are available for different applications. With new additions of novel culture surfaces (i.e. DLux & FLux), the Cell Culture Slides have been diversified with improved efficacy.

- Convenient for microscopic observation
- Bottom materials: Glass / DLux / FLux (no surface treatment for glass bottom)
- Chamber color: Clear / White / Black
- Easy open flip for chamber & slide disassembly
- No chemical adhesives used
- Designed to prevent cross contamination
- Alphanumeric labeling
- Packing trays can be used as incubation racks in CO₂ incubators
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



lwell								
Туре	Cat. No.	Material (Chamber / Slide / Holder)	Chamber Color	Growth Area / Well (cm ²)	Working Vol. / Well (ml)	Surface Treatment	Sterile	Packaging
	30101	PS / Glass / PP	Clear	9.40	2.50 – 5.50	-	+	6/12
	30111	PS / Glass / PP	Black	9.40	2.50 – 5.50	-	+	6/12
	30121	PS / Glass / PP	White	9.40	2.50 – 5.50	-	+	6/12
	30401	PS / DLux / PP	Clear	9.40	2.50 – 5.50	+	+	6/12
	30501	PS / FLux / PP	Clear	9.40	2.50 – 5.50	+	+	6/12
2well								
	30102	PS / Glass / PP	Clear	4.55	1.20 – 2.50	-	+	6/12
	30112	PS / Glass / PP	Black	4.55	1.20 - 2.50	-	+	6/12
	30122	PS / Glass / PP	White	4.55	1.20 - 2.50	-	+	6/12
	30402	PS / DLux / PP	Clear	4.55	1.20 - 2.50	+	+	6/12
	30502	PS / FLux / PP	Clear	4.55	1.20 – 2.50	+	+	6/12
'Awell								
	30104	PS / Glass / PP	Clear	2.13	0.50 - 1.30	-	+	6/12
	30114	PS / Glass / PP	Black	2.13	0.50 - 1.30	-	+	6/12
	30124	PS / Glass / PP	White	2.13	0.50 - 1.30	-	+	6/12
	30404	PS / DLux / PP	Clear	2.13	0.50 - 1.30	+	+	6/12
	30504	PS / FLux / PP	Clear	2.13	0.50 - 1.30	+	+	6/12
3well								
	30108	PS / Glass / PP	Clear	0.98	0.20 - 0.60	-	+	6/12
	30118	PS / Glass / PP	Black	0.98	0.20 - 0.60	-	+	6/12
	30128	PS / Glass / PP	White	0.98	0.20 - 0.60	-	+	6/12
	30408	PS / DLux / PP	Clear	0.98	0.20 - 0.60	+	+	6/12
	30508	PS / FLux / PP	Clear	0.98	0.20 - 0.60	+	+	6/12



Cell Culture Slide I FLux



Cell Culture Slide I



Cell Culture Slide I Glass



Cell Culture Slide II Glass



Cell Culture Slide II

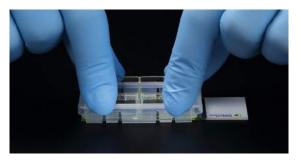


Cell Culture Slide I & II Holder

well								
Туре	Cat. No.	Material (Chamber / Slide / Holder)	Chamber Color	Growth Area / Well (cm ²)	Working Vol. / Well (ml)	Surface Treatment	Sterile	Packaging
	31101	PS / Glass / PP	Clear	9.40	2.50 - 5.50	-	+	6/12
	31111	PS / Glass / PP	Black	9.40	2.50 - 5.50	-	+	6/12
	31121	PS / Glass / PP	White	9.40	2.50 - 5.50	-	+	6/12
	31401	PS / DLux / PP	Clear	9.40	2.50 - 5.50	+	+	6/12
	31501	PS / FLux / PP	Clear	9.40	2.50 - 5.50	+	+	6/12
2well								
	31102	PS / Glass / PP	Clear	4.55	1.20 – 2.50	-	+	6/12
	31112	PS / Glass / PP	Black	4.55	1.20 - 2.50	-	+	6/12
	31122	PS / Glass / PP	White	4.55	1.20 - 2.50	-	+	6/12
	31402	PS / DLux / PP	Clear	4.55	1.20 – 2.50	+	+	6/12
	31502	PS / FLux / PP	Clear	4.55	1.20 – 2.50	+	+	6/12
4well								
	31104	PS / Glass / PP	Clear	2.13	0.50 - 1.30	-	+	6/12
	31114	PS / Glass / PP	Black	2.13	0.50 - 1.30	-	+	6/12
	31124	PS / Glass / PP	White	2.13	0.50 - 1.30	-	+	6/12
	31404	PS / DLux / PP	Clear	2.13	0.50 - 1.30	+	+	6/12
	31504	PS / FLux / PP	Clear	2.13	0.50 - 1.30	+	+	6/12
8well								
	31108	PS / Glass / PP	Clear	0.98	0.20 - 0.60	-	+	6/12
	31118	PS / Glass / PP	Black	0.98	0.20 - 0.60	-	+	6/12
	31128	PS / Glass / PP	White	0.98	0.20 - 0.60	-	+	6/12
	31408	PS / DLux / PP	Clear	0.98	0.20 - 0.60	+	+	6/12
	31508	PS / FLux / PP	Clear	0.98	0.20 - 0.60	+	+	6/12



Cell Culture Slide I: Lean back both sides tabs and then chamber and holder will be removed from slide.



Cell Culture Slide II: Press chamber from top to bottom, then lean back and remove holder and chamber.

Cell Culture Slide Hybridwell™ is a combination of conventional cell culture flask and single well slide, providing better and safer handling of samples.

- Convenient for microscopic observation
- Bottom materials: Glass / DLux / FLux (no surface treatment for glass bottom)
- Chamber color: Clear
- Easy open flip for chamber & slide disassembly
- No chemical adhesives used
- Packing trays can be used as incubation racks in CO2 incubators
- Non–pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



C	Cell Culture Slide Hybridwell TM												
	Туре	Cat. No. Material (Chamber / Slide / Holder)		Chamber Color	Growth Area (cm ²)	Working Vol. (ml)	Surface Treatment	Sterile	Packaging				
(33101	PS / Glass / PP	Clear	9.00	2.50 - 5.50	-	+	6/12				
(33201	PS / DLux / PP	Clear	9.00	2.50 - 5.50	+	+	6/12				
(33301	PS / FLux / PP	Clear	9.00	2.50 - 5.50	+	+	6/12				

SPL confocal products allow researchers to acquire high resolution microscopic images of cells in 35 mm culture dishes or 6well plates. Low auto-fluorescence glass and FLux, ideal for confocal microscopy, phase contrast microscopy, live cell imaging and micromanipulations, are used.

• Bottom materials: Glass / FLux • Dish color: Clear / Black

• Dish size: 35 Ø

• Plate size: 6well Plate (Cat. No. 30106, 30206, 230106, 230206)

 Hole size: 13 Ø / 20 Ø • Insert Type: Cat. No. 100351

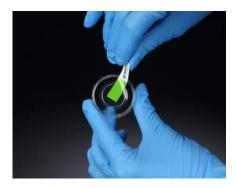
Non-pyrogenic Non-cytotoxic

DNase / RNase-free

Human DNA-free



Confo	cal Dis	:h									
Туре	Cat. No.	Material	Color	External Dimensions d x h (mm)	Internal Dimensions d x h (mm)	Hole	Confocal Region (cm ²)	Working Vol. (ml)	Surface Treatment	Sterile	Packaging
	100350	PS / Glass	Clear	35.00 x 10.00	34.30 x 9.30	13 Ø	1.33	3.00	-	+	5 / 100
	100351	PS / Glass	Clear	35.00 x 10.00	34.30 x 9.30	-	-	3.00	-	+	10 / 500
	101350	PS / Glass	Clear	35.00 x 10.00	34.30 x 9.30	20 Ø	3.14	3.00	-	+	5 / 100
0	102350	PS / Glass	Black	35.00 x 10.00	34.30 x 9.30	13 Ø	1.33	3.00	-	+	5 / 100
	103350	PS / Glass	Black	35.00 x 10.00	34.30 x 9.30	20 Ø	3.14	3.00	-	+	5 / 100
0	200350	PS / Glass	Clear	35.00 x 10.00	34.30 x 9.30	13 Ø	1.33	3.00	+	+	5 / 50
0	210350	PS / FLux	Clear	35.00 x 10.00	34.30 x 9.30	13 Ø	1.33	3.00	+	+	5/50
0	211350	PS / FLux	Clear	35.00 x 10.00	34.30 x 9.30	20 Ø	3.14	3.00	+	+	5/50
0	212350	PS / FLux	Black	35.00 x 10.00	34.30 x 9.30	13 Ø	1.33	3.00	+	+	5/50
0	213350	PS / FLux	Black	35.00 x 10.00	34.30 x 9.30	20 Ø	3.14	3.00	+	+	5 / 50
Confo	cal Pla	ite									
000	30106	PS / Glass	Clear	85.40 x 127.60	35.00 / well	13 Ø	1.33	3.00	-	+	1/4
	30206	PS / Glass	Clear	85.40 x 127.60	35.00 / well	20 Ø	3.14	3.00	-	+	1/4
000	230106	PS / FLux	Clear	85.40 x 127.60	35.00 / well	13 Ø	1.33	3.00	-	+	1/4
	230206	PS / FLux	Clear	85.40 x 127.60	35.00 / well	20 Ø	3.14	3.00	-	+	1/4



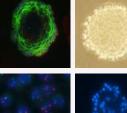




Cells, cultured *in vitro* such as cell culture dish and flask, tend to show significantly different behaviors and reactions, compared to the *in vivo* culture. Therefore, *in vitro* studies most often do not fully correspond to the circumstances occurring around cells in a living organism, limiting deeper perception of cell biology. *In vivo* studies can be actualized through 3D cell culture, which is expected to resemble a closer biological environment.

- Spheroids improve the relevance of in vitro results.
- Spheroids serve as biological models of native tissues or engineered solutions.
- Spheroids are used as building blocks to form tissues.
- Spheroids in concert with other aggregated cell shapes allow for complex tissue architecture studies.

	Surf	aces		Materials					
	Cell Culture- Treated	Non-Treated	PCL	PS	44	PET	HDPE	PTFE	
Spheroid Fonming Unit		•			•	•	•	•	
3D Cell Culture Plate	•		•	•					
Cell Floater		•		•					

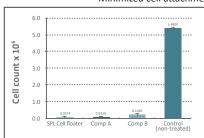


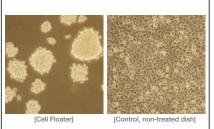




SPL3D™ Cell Floater is a culture vessel that provides an optimized environment for 3D cell culture. The culture vessel, which is effective for the formation of spheroids of animal cells, does not require any special incubation techniques, and thus 3D cell culture can easily be implemented in the same way as conventional 2D culture.

Minimized cell attachment of SPL3D™ Cell Floater







SPL3D[™] Cell Floater showed a minimized cell attachment performance similar to that of the competitors

Cell Floater Dish												
Туре	Cat. No.	Material	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Packaging				
0	26035	PS	35.00 x 10.00	35.00 x 9.60	9.40	3.00	+	10/20				
	26060	PS	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	10/20				
	26100	PS	90.00 x 20.00	86.26 x 17.70	57.50	12.50	-	10/10				

Cell Floater Plate												
Туре	Cat. No.	Material	Plate Type	External Dimensions d x h (mm)	Well Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	Packaging				
888	39706	PS	6well	85.40 x 127.60 x 20.20	35.00 x 17.50	9.60	3.00	1/5				
	39724	PS	24well	85.40 x 127.60 x 20.20	15.50 x 17.50	1.90	1.00	1/5				
	39796	PS	96well	85.40 x 127.60 x 14.40	6.50 x 10.80	0.33	0.20	1/5				

Cell Floater Flask												
Туре	Cat. No.	Material	Сар Туре	Growth Area (cm ²)	Working Vol. (ml)	Total Vol. (ml)	Packaging					
	711025	PS	Filter	25.00	7.00	60.00	5/10					
	711075	PS	Filter	75.00	25.00	250.00	1/3					

Spheroid Forming Unit, 3D Cell Culture Plate

Spheroid Forming Unit is designed to allow stationary culture and rotary incubation of cell sheets or aggregates to assist generation of cell spheroids along with hanging drop method.

- Material (Frame): Polypropylene (PP)
- Material (Mesh): Polyethylene terephthalate (PET)
- Nominal membrane thickness: 68 μm
- Pore size: 65 μm
- Rotary incubation possible



Spheroid Forming Unit											
Туре	Cat. No.	Material (Tube / Cap / Filter / Dial / Mesh)	External Dimension d x h (mm)	Total Vol. (ml)	Pore Size (μm)	Sterile	Packaging				
	911604	PP / HDPE / PTFE / PP / PET	17.00 x 120.00	15.00	65.00	+	3 / 90				

SPL's 3D Cell Culture products provide three-Dimensionsal culture environment for cells, enabling maintenance of cells in in vivo-like conditions. With biodegradable polymer PCL (Polycaprolactone) used as scaffolds, these products are useful in tissue engineering related

- Packed in cell culture-treated cell culture plates
- PCL (polycaprolactone) scaffold
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



3D C	3D Cell Culture Plate											
Туре	Cat. No.	Material (Plate / Scaffold)	Туре	Plate Dimensions w x l x h (mm)	Scaffold Dimensions d x h (mm)	Fiber Diameter (µm)	Well Dimension (mm)	Working Vol. (ml)	Pore Width (µm)	Sterile	Packaging	
	39112	PS / PCL	6 scaffolds / 12well plate	85.40 x 127.60 x 20.20	20.00 x 2.00	300.00	22.10	2.00	300.00	+	Individual	

SPLInsertTM products closely mimic *in vivo* environment, providing improved attachment, growth and differentiation of various cell types. With their permeable property, inserts are convenient and effective tools for diverse research areas, such as transportation and invasion studies. Specially selected track-etched membranes of three different pore sizes (0.4, 3.0 and 8.0 μ m) are used for SPLInsertTM products. Track-etched membranes ensure precise pore size distribution and consistent pore density, providing well-controlled experimental parameters.

	Surf	aces	Materials				
	Cell Culture- Treated	Non-Treated	PS	ЪС	PET	Nylon	
SPLInsert [™] Hanging	•			•	•		
SPLInsert [™] Standing	•			•	•		
Co-culture Dish (JLK)	•		•			•	
Multi Insert Dish		•	•			•	



Polycarbonate (PC): stain-free, low background interference

Polyethylene terephthalate (PET): retainment of high chemical resistance and low protein binding property Applicable experiments: invasion, migration, transportation, drug uptake, epithelial polarization, chemotaxis, co-culture, toxicity study and *in vivo* barrier modeling



Co-culture Dish (JLK) is designed to study the interactions between two different cell populations in a single dish, provided with an insert mesh to allow bi-directional signal exchange, achieving more in vivo-like environment.

- Material (Frame / Mesh): Polystyrene (PS) / Nylon
- Nominal membrane thickness: 10 23 μm
- Pore size: 23 μm
- Packed in cell culture-treated cell culture dishes (Cat. No. 20060, 20100)



Co-culture Dish (JLK)										
Туре	Cat. No.	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Surface Treatment	Sterile	Packaging	
0	209260	60.00 x 15.00	52.80 x 12.80	21.50	5.00	+	+	+	10/20	
	209200	100.00 x 20.00	90.00 x 17.70	57.50	12.50	-	+	+	10/20	

Multi Insert Dish is designed to study the interactions between different cell populations in a single dish, provided with 5 small inserts to allow multi-directional signal exchange but not transmigration.

- Material (Frame / Mesh): Polystyrene (PS) / Nylon
- Nominal membrane thickness: 10 23 μm
- Pore size: 23 μm
- Non-treated
- Side mesh available for signal exchanges between inserts (Cat. No. 911605)
- Bottom mesh available for signal exchange between inserts and bottom (Cat. No. 911606)
- Groove bottom for magnetic stirrer positioning (Cat. No. 911607)







Cat. No. 911605

Cat. No. 911606

Cat. No. 911607

Multi Insert Dish Insert Dish Style **Internal Dimensions Growth Area** Working Vol. Groove External Type Cat. No. Sterile **Packaging** Material dxh(mm) Per Dish (ml) dxh(mm) Per Insert (cm²) **Bottom** 911605 Nylon 60.00 x 20.00 53.00 x 18.00 1.77 15.00 9/18 911606 PC 60.00 x 20.00 53.00 x 18.00 1.77 15.00 9/18 911607 Nylon 60.00 x 20.00 49.53 x 19.30 1.77 15.00 9/18

SPLInsert™ Hanging keeps certain distance between the membrane and the well bottom to prevent potential damages during handling, suitable for co-culture and permeability assays.

- Distance from membrane to the bottom of the well:
 6well Insert 1.2 mm, 24well Insert 1.3 mm
- Nominal membrane thickness: 10 23 μm
- Frame material: Polystyrene (PS)
- Packed in cell culture-treated cell culture plates

- Non–pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free





SPLInse	ert™ Har	nging								
Туре	Cat. No.	Multiwell Plate Type	Membrane Material	Membrane Pore Size (μm)	Membrane Diameter (mm)	Growth Area (cm ²)	Working Vol. (ml)	Optical Properties	Sterile	Packaging
	35006	6well	PC	0.40	24.00	4.52	1.50 - 2.50	Opaque	+	6 / 24
	35106	6well	PC	3.00	24.00	4.52	1.50 - 2.50	Translucent	+	6 / 24
	35206	6well	PC	8.00	24.00	4.52	1.50 - 2.50	Translucent	+	6 / 24
	35024	24well	PC	0.40	6.50	0.33	0.20 - 0.35	Opaque	+	12 / 48
	35124	24well	PC	3.00	6.50	0.33	0.20 - 0.35	Translucent	+	12 / 48
	35224	24well	PC	8.00	6.50	0.33	0.20 - 0.35	Translucent	+	12 / 48
	36006	6well	PET	0.40	24.00	4.52	1.50 - 2.50	Opaque	+	6 / 24
	36106	6well	PET	3.00	24.00	4.52	1.50 - 2.50	Translucent	+	6 / 24
	36206	6well	PET	8.00	24.00	4.52	1.50 - 2.50	Translucent	+	6 / 24
	36024	24well	PET	0.40	6.50	0.33	0.20 - 0.35	Opaque	+	12 / 48
	36124	24well	PET	3.00	6.50	0.33	0.20 - 0.35	Translucent	+	12 / 48
	36224	24well	PET	8.00	6.50	0.33	0.20 - 0.35	Translucent	+	12 / 48
9	37006	6well	PET	0.40	24.00	4.52	1.50 - 2.50	Transparent	+	6 / 24
8	37106	6well	PET	3.00	24.00	4.52	1.50 - 2.50	Transparent	+	6 / 24
	37206	6well	PET	8.00	24.00	4.52	1.50 - 2.50	Transparent	+	6 / 24
	37024	24well	PET	0.40	6.50	0.33	0.20 - 0.35	Transparent	+	12 / 48
	37124	24well	PET	3.00	6.50	0.33	0.20 - 0.35	Transparent	+	12 / 48
	37224	24well	PET	8.00	6.50	0.33	0.20 - 0.35	Transparent	+	12 / 48

SPLInsert™ Standing is widely used for cell culture, for instance skin layer culture. The insert can be removed and transferred to other place for additional cell culture.

- Distance from membrane to the bottom of the well: 6well Insert 0.91 mm, 24well Insert 0.85 mm
- Nominal membrane thickness: 10 23 μm
- Frame material: Polystyrene (PS)
- Packed in cell culture-treated cell culture plates
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free





SPLInse	SPLInsert™ Standing									
Туре	Cat. No.	Multiwell Plate Type	Membrane Material	Membrane Pore Size (μm)	Membrane Diameter (mm)	Growth Area (cm ²)	Working Vol. (ml)	Optical Properties	Sterile	Packaging
	35306	6well	PC	0.40	22.74	4.06	2.00 - 6.00	Opaque	+	6 / 24
	35406	6well	PC	3.00	22.74	4.06	2.00 - 6.00	Translucent	+	6 / 24
	35506	6well	PC	8.00	22.74	4.06	2.00 - 6.00	Translucent	+	6 / 24
	35324	24well	PC	0.40	8.75	0.60	0.20 - 0.60	Opaque	+	12 / 48
	35424	24well	PC	3.00	8.75	0.60	0.20 - 0.60	Translucent	+	12 / 48
	35524	24well	PC	8.00	8.75	0.60	0.20 - 0.60	Translucent	+	12 / 48
	36306	6well	PET	0.40	22.74	4.06	2.00 - 6.00	Opaque	+	6 / 24
	36406	6well	PET	3.00	22.74	4.06	2.00 - 6.00	Translucent	+	6 / 24
	36506	6well	PET	8.00	22.74	4.06	2.00 - 6.00	Translucent	+	6 / 24
Ĵ	36324	24well	PET	0.40	8.75	0.60	0.20 - 0.60	Opaque	+	12 / 48
	36424	24well	PET	3.00	8.75	0.60	0.20 - 0.60	Translucent	+	12 / 48
	36524	24well	PET	8.00	8.75	0.60	0.20 - 0.60	Translucent	+	12 / 48
	37306	6well	PET	0.40	22.74	4.06	2.00 - 6.00	Transparent	+	6 / 24
	37406	6well	PET	3.00	22.74	4.06	2.00 - 6.00	Transparent	+	6 / 24
	37506	6well	PET	8.00	22.74	4.06	2.00 - 6.00	Transparent	+	6 / 24
	37324	24well	PET	0.40	8.75	0.60	0.20 - 0.60	Transparent	+	12 / 48
	37424	24well	PET	3.00	8.75	0.60	0.20 - 0.60	Transparent	+	12 / 48
	37524	24well	PET	8.00	8.75	0.60	0.20 - 0.60	Transparent	+	12 / 48

SPL Life Sciences offers a next generation of culture ware made of high gas permeable material to meet the customer's needs. In cell / tissue engineering research, flat plastic culture wares are commonly used for two-dimensional cell cultures. However, cell cultures on non-gas-permeable plastic culture wares and absence of medium flow may cause rapid exhaustion of dissolved oxygen and accumulation of carbon dioxide, giving extremely harmful stress to the cells. To overcome these issues, special containers utilizing gas permeable membrane were developed.

Gas-permeable membrane of culture ware allows rapid equilibration between partial pressures of oxygen in the atmosphere and those at the pericellular level. Because the diffusion gradients across gas permeable membranes are not steep, dissolved oxygen in culture wares are slightly less than atmospheric oxygen, while respired carbon dioxide rapidly diffuses away from the cells, preventing a drop in pH.

SPLPermea[™] Dish, made of gas-permeable film with superior strength and clarity, ensures optimal gas exchange for effective cell culture. Due to its low water permeability, the culture medium is maintained for a long time without leakage or evaporation, while its conventional dish-type structure prevents ambient contamination. The SPLPermea[™] Dish has low auto-fluorescence with high light transmission to enable applications in imaging and micro-reading.

- Gas-permeability tested (CO₂, O₂)
- Leakage and evaporation tested
- Transparent for microscopic observation and imaging

SPLPermea[™] Dish

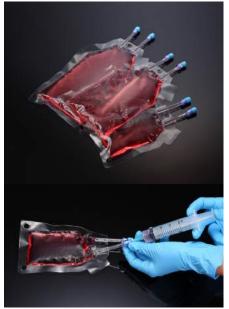
- Low auto-fluorescence
- · High light transmission
- Ergonomic design for easy handling and minimal contamination
- Non-pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA-free



SPLPermea [™] Dish										
Туре	Cat.No.	Material	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	Working Vol. (ml)	External Grip	Surface Treatment	Sterile	Packaging
0	200235	PS / Polyolefin	44.88 x 12.65	35.12 x 11.20	9.40	3.00	+	-	+	5/50

The SPLPermea™ Bag made of the highest quality USP Class VI materials is a simple-to-use and single use device for cell culture. The unique design allows access to the culture in a closed system environment which reduces the possibility of contamination when compared to that of standard culture wares. The superior permeability to oxygen and carbon dioxide helps to maintain cell viability for a long time and improve cell expansion without the need for changing culture vessel. Additionally, water permeability is very low, so water loss is minimal. This next generation of cell culture bags can be used with greater fill volumes than classical standard cell culture devices, having minimal storage and disposal space in CO₂ incubator.

- Transparent for microscopic observation
- Compliant with USP guideline (USP class VI tested)
- Gas-permeability tested (CO₂, O₂)
- Leakage tested
- Manufactured from gas permeable polyethylene
- Individually packed
- Ergonomic design to facilitate easy handling and minimize contamination
- Cap and needle-free valve with silicon septum
- Cell growth area ranging from 110.5 ~ 325 cm²
- Available in 3 different culture volumes
- Culture bag racks are available (for 250 ml size of bag)
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



SPLPermea™ Bag								
Туре	Cat. No.	Material	Dimensions wxl(mm)	Working Vol. (ml)	Sterile	Packaging		
D	200110	Permea™ Film	162.00 x 115.00	100.00	+	15		
	200125	Permea™ Film	223.00 x 146.00	250.00	+	10		
	200150	Permea™ Film	254.00 x 154.00	500.00	+	5		

SPLPermea™ Racks are useful for handling and storing of 250 ml SPLPermea™ bag.

- For handling and storing of SPLPermea™ Bag
- Colors: Natural





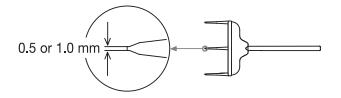


SPLPermea TM Rack							
Туре	Cat.No.	Material	Dimensions wxl(mm)	Sterile	Packaging		
	200425	PP	234.99 x 155.84	-	5		

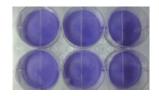
SPLScar™ Products are designed for a wide range of cell studies, including cell migration, wound healing, and cancer metastasis, providing highly uniform and reproducible conditions to enhance the quality of your experiment.

SPLScar™ Scratcher ensures the uniformity and reproducibility of the possible products used in cancer metastasis, wound healing and cell migration research. SPLScar™ Scratcher consists of a lid with identical holes and a scratcher, suitable for use in 6well or 24well configurations

- Scratcher tip width: 0.5 mm or 1.0 mm → allowing a full view of the wound width in a single frame under high-magnifications
- Non–pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free







SPLScar TM Scratcher									
Туре	Cat. No.	Lid Type	Material (Scratcher / Lid)	Tip Width (mm)	Sterile	Packaging			
}─	201906	6Well	HDPE / PS	0.50	+	1/20			
	201924	24Well	HDPE / PS	0.50	+	1/20			
∄— ₩	201907	6Well	HDPE / PS	1.00	+	1/20			
	201925	24Well	HDPE / PS	1.00	+	1/20			





SPLScar™ Block is easily attachable to surface, and thus is applicable to a variety of products for studying cell migration, wound healing, and metastasis of cancer cell. Block is composed of 500 µm-thick-wall to artificially generate cell free gap (s), ensuring higher uniformity and reproducibility.

- Cell Culture Dish (Cat. No. 201935)
- Confocal Dish (Cat. No. 201936 Glass / Cat.No. 201937 FLux)
- Confocal Plate (Cat. No. 201916)
- Cell Culture Slide
- (Cat. No. 201904 Glass / Cat. No. 201914 DLux / Cat. No. 201934 FLux)
- Individually packaged (Cat. No. 201902 2well / Cat. No. 201903 3well)
- Non-pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA–free



SPLScar [™] Block										
Туре	Cat. No.	Product Type	Bottom Type	Size	Block Well Type	Surface Treatment	Sterile	Packaging		
	201935	Cell Culture Dish	PS	35 Ø	2	+	+	1 / dish, total 30		
	201936	Confocal Dish	Glass	35 Ø	2	+	+	1 / dish, total 30		
	201937	Confocal Dish	FLux	35 Ø	2	+	+	1 / dish, total 30		
	201916	Confocal Plate	Glass	6well	2	-	+	6 / plate, total 18		
_	201904	Cell Culture Slide	Glass	4well	3	-	+	4 / slide, total 24		
	201914	Cell Culture Slide	DLux	4well	3	+	+	4 / slide, total 24		
	201934	Cell Culture Slide	FLux	4well	3	+	+	4 / slide, total 24		
	201902	Individual	-	-	2	-	+	total 25		
	201903	Individual	-	-	3	-	+	total 25		



Cat. No. 201935



Cat. No. 201902, 201903



Cat. No. 201937



Cat. No. 201916, 201937, 201904

SPL IVF Products are designed for application for treatment in obstetrics / gynecology and specific cell culture research, such as human embryonic cell culture.

4well Plate, IUF Culture Dish

SPL IVF Products provide optimized surface for culturing embryonic cells and maintaining their morphology and specific functions. It is recommended that cells cultured in SPL Life Sciences IVF Products are maintained in appropriate culture medium and culture grade chemicals.

	Surf	aces	Material
	Cell Culture- Treated	Non-Treated	PS
4well Plate	•	•	•
IVF Culture Dish	•	•	•
IVF Culture Distr	•	•	•

- Designed to prevent cross contamination
- Effective gas exchange lid inner design
- Alphanumeric labeling
- Compliant with USP guideline (USP class VI tested)
- Compliant with ANSI guideline
- Mouse Embryo Assay (MEA) test passed
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA–free



Cell Culture Plate 4well									
Туре	Cat. No.	Material	External Dimensions d x h (mm)	Well Dimension (mm)	Growth Area (cm ²)	Working Vol. (ml)	Surface Treatment	Sterile	Packaging
00	30004	PS	66.00 x 66.00	15.80	2.00	1.00	+	+	4/120
00	32004	PS	66.00 x 66.00	15.80	2.00	1.00	-	+	4/120

SPL Life Sciences provides IVF Culture Dishes for in vitro fertilization researches.

- Center well type (Cat. No. 20260, 20261)
- External grip for handling
- Compliant with USP guideline (USP class VI tested)
- Compliant with ANSI guideline
- Mouse Embryo Assay (MEA) Test passed
- Non-pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA–free



IVF Culture Dish									
Туре	Cat. No.	Material	External Dimensions d x h (mm)	Center Well Dimension d (mm)	Surface Treatment	Sterile	Packaging		
	20260	PS	60.00 x 15.00	20.00	+	+	10 / 500		
	20261	PS	60.00 x 15.00	20.00	-	+	10 / 500		
Ó	20262	PS	60.00 x 15.00	-	+	+	10 / 500		
	20263	PS	60.00 x 15.00	-	-	+	10/500		

SPL Cryopreservation products are store cells, tissues, specimens, microbiological samples, nucleic acid and protein samples in extreme temperatures ranging from -196°C to +121°C.

- Use only in vapor-phased liquid nitrogen
- Distinctive external & Internal cap design
- External cap: External thread of the body fits perfectly into internal thread of the cap in helical form
- Internal cap: Internal thread of the body fits perfectly into the external thread of the cap in helical form
- Self-standing bottom
- Packed in re-closeable zip-lock pack
- Without Silicone washer (Cat. No. 43012)
- Vial Cap Insert: Available in 5 colors (Cat. No. 43032)
- Recommended volume for cryopreservation (Cat. No. 43113, 43023): 4.50 ml
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free





Cryovial								
Туре	Cat. No.	Material	Сар Туре	Bottom Type	Total Vol. (ml)	Extenal Dimensions d x h (mm)	Sterile	Packaging
	43111	PP	External	Conical	1.20	13.10 x 42.50	+	50 / 500
	43021	PP	Internal	Conical	1.20	13.10 x 42.50	+	50 / 500
5	43012	PP	External	Round	1.80	13.10 x 45.50	+	50 / 500
4	43022	PP	Internal	Round	1.80	13.10 x 49.70	+	50 / 500
3	43112	PP	External	Round	1.80	13.10 x 47.80	+	50 / 500
В	43113	PP	External	Round	5.00	13.10 x 92.00	+	50 / 500
	43023	PP	Internal	Round	5.00	13.10 x 92.00	+	50 / 500
0	43032	PP	Cap Insert	-	-	10.40	-	100 / 500

Cryo Boxes are useful for storing vials in ultra low temperature environments.

- For storing of microcentrifuge tubes or cryovials
- Designed for enhanced drainage of liquid nitrogen
- Alphanumeric indications for sample location
- Temperature range: -196°C to +121°C (Cat. No. 80025, 80081, 80281)
- 3 colors: Blue, Pink, Green (Cat. No. 80025, 80081, 80281)
- Cardboard Box: Moisture repellent coating (Cat. No. 80181)
- 1.2 ml / 1.8 ml Cryovials are available (Cat. No. 80025, 80081, 80181)
- 5 ml Cryovial use only (Cat. No. 80281)

Cryo Box								
Туре	Cat. No.	Material	Feature	Description	Packaging			
	80025	PC	3 Colors	5 x 5 (25 Holes)	1/20			
	80081	PC	3 Colors	9 x 9 (81 Holes)	1/10			
	80281	PC	3 Colors	9 x 9 (81 Holes)	1/6			
	80181	Cardboard	-	9 x 9 (81 Holes)	40			
Cryovia	Cryovial Rack							
	61050	PP	3 Colors	5 x 10 (50 Holes)	10			

SPL Cryovial Racks are designed for handling and storage of Cryovials.

- Numeric labeling
- 3 colors: Blue, Green, Red
- Autoclavable





SPLFlow™ is designed for adherent cell culture under flow conditions. SPLFlow™ enables shear stress analysis by controlling the flow rate and exhibits high-resolution real-time microscopy of living cells and fixed cells.

SPL Life Sciences provides two types: SPLFlow™ Straight (Cat. No. 202501) and Gradient (Cat. No. 202502). Straight type is suitable for large area of uniform shear stress analysis. Gradient type is a special channel design intended to observe linear shear stress in a flow field.

Non-pyrogenic

- Non–cytotoxic
- DNase / RNase-free
- Human DNA-free

Channel	l thickness: 500 μm
Working	g volume: 150 μl

SPLFlow TM										
Туре	Cat. No.	Material (Outer / Bottom)	Dimensions wxl (mm)	Growth Area (cm ²)	Working Vol. (μl)	Sterile	Packaging			
•	202501	DLux / FLux	25.00 X 75.00	2.09	150.00	+	1/10			
	202502	DLux / FLux	25.00 X 75.00	3.15	150.00	+	1/10			







Cat. No. 202502

SPL Life Sciences provides various accessories for cell culture.

Cell Strainers of SPL Life Sciences are ideal for obtaining uniform single cell suspension from various sources. Cell Strainers are made of nylon with 3 different pore size meshes, showing optimal performances in a variety of applications such as stem cell and primary cell preparation.

- Ideal for stem cell and tissue-derived primary cell preparation
- Fits into SPL 50 ml Conical Tubes (Please inquire for other conical tubes)
- 3 different pore size: 40, 70 or 100 μm
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free



Cell Strain	Cell Strainer											
Туре	Cat. No.	Material (Frame / Mesh)	Color	Pore Size (μm)	Sterile	Packaging						
	93040	PP / Nylon	Blue	40.00	+	1/50						
	93070	PP / Nylon	Clear	70.00	+	1/50						
	93100	PP / Nylon	Yellow	100.00	+	1/50						

Multi Cell Strainer (C-Strainer) is used for rapid cell separation from the primary tissue or cell mass. The Multi C-Strainer is the most flexible small cell strainer fitting on a wide range of tubes, e.g. 1.5ml Microcentrifuge Tubes (Cat. No. 60015), Test Tubes (Cat. No. 40005), 5ml Tubes (Cat. No. 50005, 51005), 15ml Conical Tubes (Cat. No. 50015). Its unique design allows avoiding overflow and helps speedy filtration.

- Ideal for stem cell and tissue-derived primary cell preparation
- Fits into from 1.5 ml Microcentrifuge Tubes (Cat. No. 60015) to 15 ml Conical Tubes (Cat. No. 50015)
- 3 different pore size: 40, 70 or 100 μm

- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free

Multi C-S	Multi C-Strainer												
Туре	Cat. No.	Material (Frame / Mesh)	Color	Pore Size (μm)	Sterile	Packaging							
	94040	PP / Nylon	Blue	40.00	+	1/50							
	94070	PP / Nylon	Clear	70.00	+	1/50							
	94100	PP / Nylon	Yellow	100.00	+	1/50							







Cell Lifters are specially designed for easy scraping of attached cells on culture dish & plate surfaces. Individual packing eliminates possible chances of contamination during cell culture.

- Ideal for the manual harvesting of cells
- Two blade types on a single handle
- Wide blade types are ideal for dish and 6well plates

Cell Lifter, Cell Scraper

- Non pyrogenic
- Non cytotoxic
- DNase / RNase-free
- Human DNA-free



Cell Lifter						
Туре	Cat. No.	Material	Length (mm)	Blade Width (mm)	Sterile	Packaging
	90040	PP	218.00	23.00 / 12.00	+	1/100

Cell Scrapers are designed to facilitate the collection of attached cells on culture dishes, flasks, or plates. Sterilization and individual packing eliminate possible chances of contamination during cell culture and scraper handling.

- Ideal for the manual harvesting of cells
- Soft blade, made of LDPE, for gentle collection of cells without damages
- Available in 2 different width types: 13 or 20 mm
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free

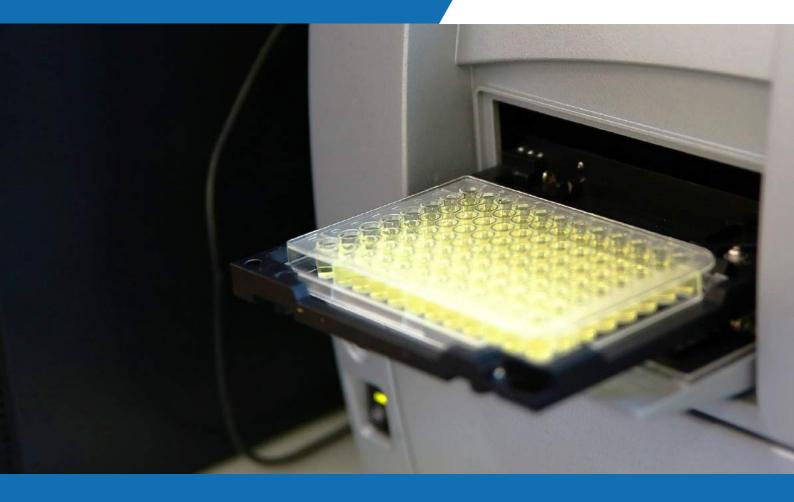
Cell Scraper						
Туре	Cat. No.	Material (Handle / Blade)	Length (mm)	Blade Width (mm)	Sterile	Packaging
[90020	PS / LDPE	237.00	13.00	+	1/100
	90021	PS / LDPE	237.00	13.00	+	1/100
	90030	PS / LDPE	290.00	20.00	+	1/100
<u> </u>	90031	PS / LDPE	290.00	20.00	+	1/100





Cat. No. 90031 / 90021 Cat. No. 90030 / 90020

2. Molecular Analysis



SPL Life Sciences provides reliable and high-quality products to make molecular analyses more convenient and efficient. With the advancement of technology, more studies were conducted to explain the phenomena of life through molecular analysis.

One of the most common molecular analysis methods is immunoassay; SPL microplates are available with a wide range of options that includes surface, color, bottom and well types, and PCR tubes for applications in polymerase chain reaction (PCR).

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Immunoassay is a standardized technique for detecting biomolecules with high specificity and sensitivity based on the antigen-antibody binding. SPL provides four different surface hydrophobicities to respond to different biomolecules. SPL's immunoassay microplates are manufactured from optically clear virgin polystyrene, ideal for all immunosorbent assays.

SPL Life Sciences manufactures microplates for diagnostics and immunological researches. SPL provides researchers with a variety of microplates specifically designed for immunoassay:

- * Maxibinding: Modified polystyrene surface provides higher binding capacity for proteins and other molecules with both hydrophilic and hydrophobic regions. (Recommended for most ELISA experiments)
- * Medibinding: Surface adsorbs proteins and molecules that consist of intermediate hydrophobic and hydrophilic properties. (Antigen / Antibody ELISA; More hydrophobic compared to Maxibinding plates)
- * Unibinding: Suitable for adsorption of hydrophobic molecules. (Antigen ELISA)
- * Multibinding: Especially suitable for adsorbing hydrophilic molecules. (Antigen ELISA)



Homogeneity

SPL provides immunoplates in standardized form, applicable to almost all laboratory ELISA equipment, to produce consistent results between wells or plates, regardless of the date of manufacture.

Three different colored plates are available with specific functions. While transparent clear plates are suitable for colorimetric assays, white and black plates are ideal for fluorescence and luminescence assays.

White plates ensure maximum reflection and minimum cross-talk, appropriate for luminescence assay.

Black plates ensure minimum light scattering and cross-talk during fluorescence assay.

Bottom types

Flat well bottom has excellent optical transmission and low background absorbance.

Round well bottom allows easy mixing and washing.

Plate type (96well plate)

- Lid not included
- 2 types bottom: Flat or Round
- Developed for immunoassay (ELISA) and general binding assay

Immunoplate, Immunoplate Strip

- · Uniform surface homogeneity
- Raised rims on the wells
- Alphanumeric labeling
- Designed for easy handling and automation



Immun	Immunoplate												
Туре	Cat. No.	Material	Bottom Type	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm ²)	Total Vol. (µl)	Working Vol. (μl)	Packaging				
	32296	PS	Flat	Maxibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
	32396	PS	Flat	Medibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
	32496	PS	Flat	Unibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
	32596	PS	Flat	Multibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
	32696	PS	Round	Maxibinding	85.40 x 127.60 x 14.40	0.66	400.00	350.00	10 / 100				
	32796	PS	Round	Unibinding	85.40 x 127.60 x 14.40	0.66	400.00	350.00	10 / 100				

- 8well strip type
- Lid not included
- Developed for immunoassay (ELISA) and general binding assay
- Flat bottom
- Uniform surface homogeneity
- Raised rims on the wells
- Alphanumeric labeling
- Designed for easy handling and automation



Immund	Immunoplate Strip												
Туре	Cat. No.	Material	Surface Type	External Dimensions w x I x h (mm)	Bottom Surface Area (cm ²)	Total Vol. (µl)	Working Vol. (μl)	Packaging					
	38096	PS	Maxibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100					
	38196	PS	Medibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100					
	38496	PS	Unibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100					
	38596	PS	Multibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100					

Immunoplate Strip Single Well, Black & White Immunoplate

- Strip single well type (8well / strip, breakable well)
- Lid not included
- Developed for immunoassay (ELISA) and general binding assay
- Uniform surface homogeneity
- Flat bottom
- Raised rims on the wells
- Alphanumeric labeling
- Designed for easy handling and automation



lmmuno	Immunoplate Strip Single Well											
Туре	Cat. No.	Material	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm²)	Total Vol. (μl)	Working Vol. (μl)	Packaging				
	38296	PS	Maxibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
	38396	PS	Medibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
	38696	PS	Unibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
	38796	PS	Multibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				

SPL provides high-quality 96well plates suitable for various high throughput assays. Fluorescence and luminescence assays have been successfully tested with SPL 96well microplates by many high throughput laboratories. SPL 96well microplates have a characteristic feature of high signal with low background.

- White plates provide maximum reflection and minimum cross-talk for luminescence assay.
- Black plates are designed for minimum light scattering and cross-talk during fluorescence assay.
- Suitable for fluorescence assay, luminescence assay
- 2 surface types
- Individual lids provided for each plate (Black plate with black lid, White plate with transparent lid)
- Plate type (96well plate)
- HTS (High-Throughput Screening) compatible
- Flat bottom
- Raised rims on the wells
- Alphanumeric labeling
- Designed for easy handling and automation



Black 8	Black & White Immunoplate													
Туре	Cat. No.	Material	Plate Color	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm²)	Total Vol. (μl)	Working Vol. (μl)	Packaging					
	31396	PS	White	Maxibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100					
	31496	PS	Black	Maxibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100					
	31196	PS	White	Unibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100					
	31296	PS	Black	Unibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100					

SPL Life Sciences provides high-quality luminescence assays. Successful testing of SPL products have been performed in many research laboratories, with results featuring high signal with low background.

• White plates provide maximum reflection and minimum cross-talk for luminescence assay.

B & W Immuno Strip, 384 HT Plate

- Black plates are designed for minimum light scattering and cross-talk during fluorescence assay.
- Suitable for fluorescence and luminescence assays
- 2 surface types
- 8well strip type
- Lid not included
- Flat bottom
- · Raised rims on the wells
- Alphanumeric labeling
- · Designed for easy handling and automation



E	B & W Immunoplate Strip													
	Туре	Cat. No.	Material	Well Color	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm²)	Total Vol. (μl)	Working Vol. (μl)	Packaging				
		31796	PS	White	Maxibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
		31896	PS	Black	Maxibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
		31596	PS	White	Unibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				
		31696	PS	Black	Unibinding	85.40 x 127.60 x 14.40	0.33	400.00	350.00	10 / 100				

SPL Life Sciences provides high-quality 384 HT Plates for high throughput research laboratories. Fluorescent and luminescent assays have been successfully tested with SPL 384 HT Plates, results featuring high signal with low background.

- White plates provide maximum reflection and minimum cross-talk for luminescence assay.
- Black plates are designed for minimum light scattering and cross-talk during fluorescence assay.
- 2 surface types
- Suitable for colorimetry, fluorescence and luminescence assays
- HTS (High-Throughput Screening) compatible
- Transparent lid provided with each well plate
- Flat bottom
- Alphanumeric labeling



384 HT Plate											
Туре	Cat. No.	Material	Plate Color	Surface Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm²)	Total Vol. (µl)	Working Vol. (μl)	Packaging		
	34384	PS	Clear	Maxibinding	85.40 x 127.60 x 14.40	0.07	120.00	100.00	10 / 40		
	35384	PS	White	Maxibinding	85.40 x 127.60 x 14.40	0.07	120.00	100.00	10 / 40		
	36384	PS	Black	Maxibinding	85.40 x 127.60 x 14.40	0.07	120.00	100.00	10 / 40		
	31384	PS	Clear	Unibinding	85.40 x 127.60 x 14.40	0.07	120.00	100.00	10 / 40		
	32384	PS	White	Unibinding	85.40 x 127.60 x 14.40	0.07	120.00	100.00	10 / 40		
	33384	PS	Black	Unibinding	85.40 x 127.60 x 14.40	0.07	120.00	100.00	10 / 40		

SPL Life Sciences provides immunotubes for diagnostics and immunological purposes.

- 2 surface types
- For immunoassay (ELISA, RIA)
- High optical quality



Immunotube									
Туре	Cat. No.	Material	Surface Type	External Dimensions d x h (mm)	Total Vol. (ml)	Packaging			
	43005	PS	Unibinding	12.00 x 75.00	5.00	250 / 2,000			
	43015	PS	Maxibinding	12.00 x 75.00	5.00	250 / 2,000			

SPL provides 0.2 ml PCR tube in a standardized form, applicable to almost all laboratory PCR equipment. The wall of the PCR tube is designed relatively thin to optimally conduct heat to the reaction solution. The tight sealing between the tube body and its cap ensures minimal evaporation and prevents sample leakages. The cap is provided in 2 different forms, flat and dome. Flat type is useful when labeling is required, while dome type prevents the reaction solution from binding to the cap surface. SPL provides single PCR tube with a cap attached, and strip tubes, composed of 8 bodies and 8 caps connected horizontally.

- Designed to prevent contamination
- Designed for effective thermal conductivity
- Smooth opening and tight sealing
- 2 tube types: Single or Strip
- 2 cap types: Flat or Dome
- Separately packaged bodies and caps (Cat. No. 60008, 60018)
- Non–pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA-free

PCR Tube											
Туре	Cat. No.	Material	Сар Туре	Tube Type	Total Vol. (ml)	Sterile	Packaging				
F	60001	PP	Flat	Single	0.20	-	500 / 1,000				
<u> </u>	60008	PP	Flat	Strip	0.20	-	120 / 120				
₩ =	60011	PP	Dome	Single	0.20	-	500 / 1,000				
9999999	60018	PP	Dome	Strip	0.20	-	120 / 120				









Cat. No. 60008

Cat. No. 60011

Cat. No. 60018

SPL UVMax™ is a specialized plate intended for use in lower wavelength. The maximal transmittance is achieved between 260 and 280 nm, ideal for DNA and protein quantification. The plate with low background enables users to acquire more accurate experimental data. Unlike conventional laboratory cuvettes, SPL UVMax™ Plate (96well) allows for High-Throughput Screening (HTS) process and eliminates the need for expensive and fragile quartz / glass-type plates.

96well plate type

Cat. No. 60001

- Developed for determining concentrations of protein and / or nucleic acid
- Certified for low background and consistent performance at 260 and 280 nm
- Uniform surface homogeneity
- Lid not included
- Alphanumeric labelling



UUMax	× TM							
Туре	Cat. No.	Material (Plate / Bottom)	Well Type	Bottom Type	External Dimensions w x l x h (mm)	Bottom Surface Area (cm²)	Total Vol. (μl)	Packaging
	33096	PS / Film	96well	Flat	85.40 x 127.60 x 14.40	0.33	400.00	10 / 40

SPL SEAL™ provides a highly effective seal, preventing evaporation and eliminating contamination and it is intended for use in general assays, genomics, compound, library, storage, bio-analytical assays, High-Throughput Screening (HTS) and drug discovery applications.

- Prevent evaporation and cross-contamination between wells
- Film clarity allows for optical analysis during real-time PCR
- Pre-cut, plate-sized sheets
- Non-sterile
- Working temperature range: -70°C to +100°C
- Thickness: 65 μm
- Good optical property (low auto-fluorescence, high transparency)
- Non-sterile
- DNase / RNase free



SPL SEA	SPL SEAL™									
Туре	Cat. No.	Material	External Dimensions wxl (mm)	Color	Sterile	Packaging				
	96000	PET / acrylate	143.00 x 79.00	Clear	-	100				

SPL Lid universally applicable to all SPL plates, including Cell Culture Plates and Immunoplates. The Lid, made of rigid polystyrene, prevent vaporization and contamination during assay processing, incubation or storage with SPL plates.

- Effective gas exchange lid inner design
- Prevent vaporization and contamination
- All plate type (Cat. No. 35001, 35101)
- 96well plate type (Cat. No. 35096, 35196)
- Non-pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA-free



SPL Lid						
Туре	Cat. No.	Material	External Dimensions w x l x h (mm)	Plate Type	Sterile	Packaging
	35001	PS	84.50 x 126.50 x 9.00	All	-	25 / 100
	35101	PS	84.50 x 126.50 x 9.00	All	+	25 / 100
	35096	PS	84.90 x 127.10 x 9.00	96	-	25 / 100
	35196	PS	84.90 x 127.10 x 9.00	96	+	25 / 100

3. Microbiology



SPL Life Sciences provides products that are feasible to all applications in microbiology, including dishes/plates for solid culture, and flasks for suspension culture. We offer a wide range of culture vessels, i.e., growth area and volume. Some of our products contain grids on the bottom to indicate the precise location of microbiological samples within the device. Also, accessories are available to assist culturing of microorganisms while preventing possible sources of contamination.

Our products are made of optically clear Polystyrene (PS) and Polycarbonate (PC) to allow precise observation of samples. PC especially has higher physical and chemical resistance. SPL Life Sciences products undergo strict sterilization process to completely remove potential presence of any unwanted microorganisms, and in turn increase the reliability of your experimental results.

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350 350 302 302	1889 1800 1800 1800 1800 1800 1800 1800

SPL Life Sciences provides a large range (35 mm to 150 mm) of Petri Dishes for various laboratory purposes. All Petri Dishes are made with high quality polystyrene.

- Crystal grade Polystyrene
- Double packaging with 10090 (Cat. No. 10093)
- External grip for handling (Cat. No. 10035, 10050, 10060, 10101)
- Gridded bottom for counting (Cat. No. 10095, 10096)



Petri Dish	1						
Туре	Cat. No.	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm²)	External Grip	Sterile	Packaging
0	10035	35.00 x 10.00	35.00 x 9.60	9.40	+	+	20 / 500
0	10050	50.00 x 15.00 (Non-Air vent)	48.76 x 11.80	19.60	+	+	20 / 500
0	10060	60.00 x 15.00	52.80 x 12.80	21.50	+	+	20 / 500
	10090	90.00 x 15.00	85.90 x 12.60	57.50	-	+	10/500
	10091	90.00 x 20.00	86.20 x 17.70	58.00	-	+	10 / 200
	10093	90.00 x 15.00	85.90 x 12.60	57.50	-	+	10/500
	10095	90.00 x 15.00 (Grid)	85.72 x 12.64	57.50	-	+	10 / 200
	10096	90.00 x 15.00 (Quadrant Grid)	85.72 x 12.64	57.50	-	+	10/500
	10100	100.00 x 15.00	96.40 x 13.75	72.30	-	+	10 / 500
	10101	90.00 x 20.00	87.48 x 16.40	60.80	+	+	10 / 200
	10150	150.00 x 20.00	138.50 x 15.40	148.00	-	+	10 / 120
	10151	150.00 x 25.00	138.57 x 23.30	148.00	-	+	5 / 120

Partition Petri Dishes are designed for experiments that require multiple cells or medium types in a single dish.

SPL Life Sciences provides 2-zoned Bi-Petri Dishes and 3-zoned Tri-Petri Dishes to meet various needs.

All products are sterilized and ready to use.



Partition Petri Dish										
Туре	Cat. No.	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Partition Height (mm)	Growth Area (cm²)	External Grip	Sterile	Packaging		
\ominus	10092	90.00 x 15.00	85.90 x 12.60	2.70	28.84	-	+	20 / 500		
\ominus	10192	90.00 x 15.00	85.90 x 12.60	5.00	28.84	-	+	20 / 500		
Θ	10292	90.00 x 15.00	85.90 x 12.60	7.00	28.84	-	+	20 / 500		
	10094	90.00 x 15.00	85.90 x 12.60	8.00	19.16	-	+	20 / 500		

RODAC Plate, Square Dish, Tray Plate

SPL Life Sciences provides RODAC (Replicate Organism Detection and Counting) plates for monitoring surface contamination for various purposes. Plates are made with high-quality polystyrene.

- Gridded and convex bottom ensures direct contact occurs between medium surface and the test surface while sampling (Cat. No. 10061)
- Gridded and flat bottom (Cat. No. 10063)



RODAC Plate										
Туре	Cat. No.	Bottom Type	Dish Style d x h (mm)	Internal Dimensions d x h (mm)	Growth Area (cm ²)	External Grip	Sterile	Packaging		
	10061	Convex	60.00 x 15.00	52.80 x 12.80	21.50	-	+	20 / 500		
	10063	Flat	59.50 x 15.80	54.90 x 8.50	21.50	-	+	20 / 500		

Square Dishes have been widely used for microbiology applications, such as colony tracing and picking. Our Square Dished with large surface areas and gridded bottoms are useful for tracing the location of individual colony.

- Ideal for colony formation and enhancing plating efficiency
- Useful for colony counting or picking



Square Dish											
Туре	Cat. No.	Material	External Dimensions w x l x h (mm)	Internal Dimensions w x l x h (mm)	Growth Area (cm ²)	Sterile	Packaging				
	11125	PS	126.40 x 126.40 x 20.00	118.70 x 118.70 x 11.60	139.00	+	10 / 240				
	10245	PS	243.00 x 243.00 x 19.30	227.50 x 227.50 x 13.20	500.00	+	5/20				
	11245	PS	243.00 x 243.00 x 27.30	227.50 x 227.50 x 21.20	500.00	+	5 / 20				

The rectangular tray dishes provide larger surface area to ensure easy handling compared to round dishes for microbiological applications. The external dimensions of Tray Plates are identical to those of standard cell culture plates for broader application.



Tray Pla	ıte						
Туре	Cat. No.	Material	External Dimensions w x I x h (mm)	Well Dimensions w x l x h (mm)	Growth Area (cm²)	Sterile	Packaging
	31001	PS	127.94 x 85.50 x 16.25	105.47 x 69.46 x 11.60	73.26	+	10 / 100

Erlenmeyer Flasks are most widely used in microbiology for the preparation of microbial suspension culture. The shape of the flask allows stable swirling for effective mixing of solutions. SPL Life Sciences provides Erlenmeyer flask in four different volumes, which are all sterilized before the release.

- Suitable for suspension cultures (animal cells, bacteria, fungi, plant callus, etc.)
- Require shaking apparatus (optimization of cell seeding density and working volume is recommended, depending on the type of cell)
- Plugs & filter caps are available for all flask types
- Non-treated
- Durable & transparent polycarbonate
- Autoclavable
- Non-pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA-free



Plug Cap

Filter Cap

Erlenm	Erlenmeyer Flask											
Тур	е	Cat. No.	Material (Body / Cap)	Сар Туре	Total Vol. (ml)	Sterile	Packaging					
	0	73250	PC / PP	Plug	250.00	+	1/8					
	0	74250	PC / PP	Filter	250.00	+	1/8					
	0	73500	PC / PP	Plug	500.00	+	1/8					
	0	74500	PC / PP	Filter	500.00	+	1/8					
	0	73000	PC / PP	Plug	1,000.00	+	1/4					
	0	74000	PC / PP	Filter	1,000.00	+	1/4					
		73002	PC / PP	Plug	2,000.00	+	1/6					
	- ¶ ⊚	74002	PC / PP	Filter	2,000.00	+	1/6					

Bacteria Culture Tubes are designed to incubate pathogenic microbial cells. During cultivation of pathogenic microorganisms, researchers can handle the tube while protecting the sample from infectious contamination. Culture tubes are sterilized after complete packaging to eliminate contamination. The air through the culture tube can be filtered by 0.22 µm syringe filter on the center of the tube cap.

- Sampling of the culture supernatant can be performed without infection during the incubation of pathogenic microbial cells such as mycobacterium tuberculosis, etc.
- Syringe filter is mounted on the cap to minimize contamination from pathogenic microorganisms.
- 15 / 50 ml conical tube size
- Suitable for shaking incubation



Bacteria Culture Tube										
Туре	Cat. No.	Material (Tube / Cap / Filter)	Сар Туре	External Dimensions d x h (mm)	Total Vol. (ml)	Sterile	Packaging			
	59015	PP / HDPE / PVDF	Filter	17.00 x 140.50	15.00	+	5 / 50			
	59050	PP / HDPE / MCE	Filter	30.00 x 137.90	50.00	+	5/50			

Disposable Loop and Needle consists of a loop on one side and a

needle on the other, used for the inoculation of microorganisms. Two

• Suitable for microbe inoculation

different sizes are available.

- Dual purpose: a loop on one end and a needle on the other
- Color coded for sizes (White for 1 μl, Blue for 10 μl)
- DNase / RNase-free
- Human DNA-free



Lo	oop & Needle						
	Туре	Cat. No.	Material	Size (μl)	Length (mm)	Sterile	Packaging
-		90001	PP	1.00	195.00	+	10 / 500
0=		90010	PP	10.00	195.00	+	10/500

Disposable spreader is used for spreading microorganisms, which is sterilized before the release.

- Suitable for spreading of microbe samples
- Autoclavable
- DNase / RNase-free
- Human DNA-free



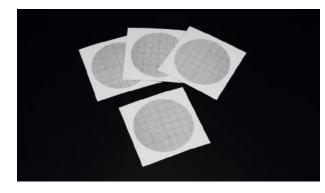
Spreader				
Туре	Cat. No.	Material	Sterile	Packaging
	90050	PP	+	10 / 500

SPL Life Sciences has released Grid stickers as an exclusive accessory for use with petri dish.

The sticker is made of transparent label and can be attached swiftly and neatly to the bottom of petri dish.

It is designed as 1 mm- and 10 mm- interval grid pattern, and can be applied to various experiments, including colony counting, plant growth measurement, and clear zone measurement for fungal test.

- For 90 100 mm Petri dish
- Thickness: 70 μm
- Labels remain firmly attached at temp. from 4 to 40°C



Grid Sticke	r					
Туре	Cat. No.	Material	Dimension (mm)	Major Grid (mm)	Minor Grid (mm)	Packaging
	90100	Tetron	76.25	10.00	1.00	100 / 200

4. Handling & Storage



Most biological samples and reagents should be stored and maintained in the proper condition. SPL provides handling and storage tools that are durable in all possible conditions.

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A small difference in liquid quantity may result in experimental values that are significantly different, and thus precise handling of liquids is crucial to obtaining reliable and reproducible results. SPL Life Sciences is confident in providing high precision, world-leading quality serological pipettes and tips in various configurations.

SPL Serological Pipettes are classified by sample volume. Ascending & descending graduations facilitate the reading of both dispensing and remaining volume.

- Six different volumes
- Color-coded for easy identification
- Various packaging methods
- Cuttingtop Pipette for viscous liquid handling (Cat. No. 91110)
- Non-pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA–free



Individual Packag	ging - Inb	ox				
Туре	Cat. No.	Material	Color Code	Working Vol. (ml)	Sterile	Packaging
	91001	PS	Yellow	1.00	+	1/200/800
	91002	PS	Green	2.00	+	1/150/600
	91005	PS	Blue	5.00	+	1/100/400
	91010	PS	Orange	10.00	+	1/100/400
	91025	PS	Red	25.00	+	1/50/200
	91050	PS	Purple	50.00	+	1/40/160
Individual Packag	ging - Bul	k				
-	95001	PS	Yellow	1.00	+	1/200/800
4	95002	PS	Green	2.00	+	1/150/600
	95005	PS	Blue	5.00	+	1/100/400
<	95010	PS	Orange	10.00	+	1/100/400
	95025	PS	Red	25.00	+	1/50/200
	95050	PS	Purple	50.00	+	1/40/160
Bulk Packaging						
=40	93001	PS	Yellow	1.00	+	50 / 1,000
	93002	PS	Green	2.00	+	50 / 1,000
-	93005	PS	Blue	5.00	+	50 / 500
<	93010	PS	Orange	10.00	+	50 / 500
	93025	PS	Red	25.00	+	25 / 200
	93050	PS	Purple	50.00	+	25 / 200
Cuttingtop Pipette	5					
	91110	PS	Orange	10.00	+	1/100/400



Serological Pipette



Bulk packaging



Individual packing



Cat. No. 93010, 91110

SPL Aspiration Pipettes are useful for rapidly collecting and releasing liquid samples.

- No graduations
- No plugs
- Non–pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA-free



Aspiration Pipette										
Туре	Cat. No.	Material	Working Vol. (ml)	Sterile	Packaging					
	94001	PS	1.00	+	1/200/800					
	94002	PS	2.00	+	1/150/600					
	94005	PS	5.00	+	1/100/400					
	94010	PS	10.00	+	1/100/400					

SPL Micropipette Tips are classified by sample volume and types. They are designed to fit in wide range of single and multi-channel pipettes.

- Diverse product range
- Excellent compatibility
- Easily distinguished by color
- Reduces chances of making errors
- Extra-long design (Cat. No. 92020, 92023, 92021, 92022, 92024)
- Autoclavable
- Non–pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA–free



Micropipette 1	Micropipette Tip										
Туре	Cat. No.	Туре	Color	Vol. (μl)	Sterile	Packaging					
	92010	Bulk Tip	Clear	0.50 - 10.00	-	1,000 / bag, 40 bags / box					
	92200	Bulk Tip	Yellow	20.00 – 200.00	-	1,000 / bag, 20 bags / box					
	92000	Bulk Tip	Blue	100.00 - 1,000.00	-	1,000 / bag, 10 bags / box					
	92020	Bulk Tip	Clear	100.00 - 1,000.00	-	500 / bag, 20 bags / box					
	92013	Tip in Rack	Clear	0.50 - 10.00	+	96 tips / rack, 100 racks / box					
	92203	Tip in Rack	Yellow	20.00 - 200.00	+	96 tips / rack, 100 racks / box					
	92003	Tip in Rack	Blue	100.00 - 1,000.00	+	96 tips / rack, 60 racks / box					
	92023	Tip in Rack	Clear	100.00 - 1,000.00	+	96 tips / rack, 60 racks / box					
	92011	Filter Tip in Rack	Clear	0.50 - 10.00	+	96 filter tips / rack, 100 racks / box					
	92201	Filter Tip in Rack	Clear	20.00 - 200.00	+	96 filter tips / rack, 100 racks / box					
	92001	Filter Tip in Rack	Clear	100.00 - 1,000.00	+	96 filter tips / rack, 60 racks / box					
	92021	Filter Tip in Rack	Clear	100.00 - 1,000.00	+	96 filter tips / rack, 60 racks / box					
	92012	Refill Tip	Clear	0.50 - 10.00	+	960 tips / pack, 10 packs / box					
	92202	Refill Tip	Yellow	20.00 - 200.00	+	960 tips / pack, 10 packs / box					
	92002	Refill Tip	Blue	100.00 - 1,000.00	+	480 tips / pack, 10 packs / box					
	92022	Refill Tip	Clear	100.00 - 1,000.00	+	576 tips / pack, 10 packs / box					
	92014	Rack		0.50 - 10.00	-	100 racks / box					
	92204	Rack		20.00 – 200.00	-	100 racks / box					
	92004	Rack		100.00 - 1,000.00	-	60 racks / box					
	92024	Rack		100.00 - 1,000.00	-	60 racks / box					

Suitable for rapidly dividing and transporting liquid samples

Dropper





Dropper						
Туре	Cat. No.	Material	Total Length (mm)	Total Vol. (ml)	Sterile	Packaging
	410501	PE	136.30	1.00	-	200 / 12,000
	410502	PE	138.17	3.00	-	500 / 9,000

Most biological samples and reagents should be stored and maintained in appropriate conditions depending on the purpose of your experiments. Our products are not solely designed to store your liquid samples, but to provide extra features useful in experiments, such as centrifugation-feasibility and light shielding function. Therefore, choosing appropriate tubes or bottles will allow you to store your liquid samples and conduct experiments accordingly.

Conical Tubes are widely used in laboratories for various purposes, including but not limited to storing samples and conducting highspeed centrifugation. SPL Life Sciences provides high-strength, non-toxic conical tubes to meet the demands of customers.

Amber Conical Tubes are suitable for handling and storing light-sensitive samples.

Materials used for Amber Conical Tubes significantly decrease light transmission over the visible wavelength spectrum compared to those of clear polypropylene tubes

- Tight sealing screw cap
- External graduations with marking area
- Packed in zipper bags
- Polystyrene (transparent), 15 ml conical tubes (Cat. No. 51015, 51115)
- Skirted, self-standing type (Cat. No. 50250)
- For high speed centrifugation (Cat. No. 50040)
- Provided in racks (Cat. No. 50115, 50150)
- Amber type (Cat. No. 54015, 54115, 54050, 54150)

- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA-free

Conical ⁻	Conical Tube - In sleeves										
Туре	Cat. No.	Bottom Type	Material (Tube / Cap)	External Dimensions d x h (mm)	Total Vol. (ml)	RCF Rating	Sterile	Packaging			
	50015	Conical	PP / HDPE	17.00 x 120.00	15.00	13,000 x g	+	50 in sleeve / 500			
	51015	Conical	PS / HDPE	17.00 x 120.00	15.00	3,000 x g	+	50 in sleeve / 500			
	50050	Conical	PP / HDPE	30.00 x 115.00	50.00	14,000 x g	+	25 in sleeve / 500			
	50250	Skirted	PP / HDPE	30.00 x 116.00	50.00	-	+	25 in sleeve / 500			
	50040	Conical	PP / HDPE	30.00 x 115.00	40.00	35,000 x g	+	10 in sleeve / 100			
Conical ⁻	Conical Tube - In racks										
	50115	Conical	PP / HDPE	17.00 x 120.00	15.00	13,000 x g	+	25 in rack / 500			
	51115	Conical	PS / HDPE	17.00 x 120.00	15.00	3,000 x g	+	25 in rack / 500			
	50150	Conical	PP / HDPE	30.00 x 115.00	50.00	14,000 x g	+	25 in rack / 300			
Amber C	Conical T	ube									
	54015	Conical	PP / HDPE	17.00 x 120.00	15.00	13,000 x g	+	50 in sleeve / 500			
	54115	Conical	PP / HDPE	17.00 x 120.00	15.00	13,000 x g	+	50 in sleeve / 200			
	54050	Conical	PP / HDPE	30.00 x 115.00	50.00	14,000 x g	+	25 in sleeve / 500			
	54150	Conical	PP / HDPE	30.00 x 115.00	50.00	14,000 x g	+	25 in sleeve / 200			



Cat. No. 50050



Cat. No. 50250, 50040



Cat. No. 50015, 51015



Cat. No. 54015, 54050

Snap tubes are widely used in laboratories for various reasons, from simply storing samples to conducting high-speed centrifugation. Snap tubes are especially helpful for one can open and close the tube with just one hand.

- Snap cap with tight sealing
- 80 % of the nominal volume
- External graduations with marking area
- Skirted, self-standing type (Cat. No. 50415, 50560)
- Provided in snap tube racks (Cat. No. 50315, 50550)
- Non-cytotoxic
- Non-pyrogenic
- DNase / RNase–free
- Human DNA–free



Snap Tube - In sleeves										
Туре	Cat. No.	Bottom Type	Material (Tube / Cap)	External Dimensions d x h (mm)	Total Vol. (ml)	RCF Rating	Sterile	Packaging		
	50215	Conical	PP	16.00 x 120.00	15.00	5,500 x g	+	50 in sleeve / 500		
	50415	Skirted	PP	16.00 x 120.00	15.00	-	+	50 in sleeve / 500		
	50450	Conical	PP	28.00 x 116.00	50.00	9,000 x g	+	25 in sleeve / 500		
	50650	Skirted	PP	28.00 x 117.00	50.00	-	+	25 in sleeve / 500		
Snap Tube - In racks										
	50315	Conical	PP	16.00 x 120.00	15.00	5,500 x g	+	25 in rack / 500		
	50550	Conical	PP	28.00 x 116.00	50.00	9,000 x g	+	25 in rack / 300		

5 ml Snap tubes are widely used in laboratories for multiple purposes, from storage of samples to high speed centrifugation. Snap tubes can assist users during experiments by enabling easy one-hand opening and closing of the tubes by providing snap type cap.

Amber 5 ml Snap Tubes are suitable for handling and storing light-sensitive samples.

Materials used for Amber 5ml Snap Tubes significantly decrease light transmission over the visible wavelength spectrum compared to those of clear polypropylene tubes

- Snap cap with tight sealing
- External graduations with marking area
- Sterile (Cat. No. 50105, 54105)
- Amber type (Cat. No. 54005, 54105)
- 5 ml Snap Tube Adapter for 15 ml rotor (Cat. No. 52005)
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA–free



5 ml Snap Tube											
Туре	Cat. No.	Material	External Dimensions d x h (mm)	Total Vol. (ml)	RCF Rating	Sterile	Packaging				
	50005	PP	20.00 x 62.00	5	25,000 x g	-	100 in sleeve / 200				
	50105	PP 20.00 x 62.00		5	25,000 x g	+	100 in sleeve / 200				
Amber 5	Amber 5 ml snap Tube										
	54005	PP	20.00 x 62.00	5	25,000 x g	-	100 in sleeve / 200				
	54105	PP	20.00 x 62.00	5	25,000 x g	+	100 in sleeve / 200				

5 ml Screw Tube is ideal for experiments requiring larger sample volumes, between 1.5 ml and 5 ml. Screw type cap is sophisticatedly designed to prevent possible contamination, and to allow safe handling. 5 ml Screw Tube is applicable to centrifuge independently, and can also be inserted into its adapter for 15 ml rotor.

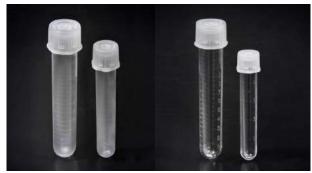
- Screw cap with tight sealing
- Imprinted external graduations with marking area
- Sterile (Cat. No. 51105)
- Non-cytotoxic
- Non-pyrogenic
- DNase / RNase–free
- Human DNA–free



5 ml Screw Tube									
Туре	Cat. No.	Material (Tube / Cap)	External Dimensions d x h (mm)	Total Vol. (ml)	RCF Rating	Sterile	Packaging		
	51005	PP / HDPE	16.00 x 66.00	5.00	25,000 x g	-	100 in sleeve / 200		
	51105	PP / HDPE	16.00 x 66.00	5.00	25,000 x g	+	100 in sleeve / 200		

SPL Life Sciences provides a wide range of Test Tubes to meet Various demands. Tubes are differentiated by volume, material or sterilization method.

- Volumes: 5 or 14 ml
- Internal graduations
- Dual-position snap cap for easy handling
- No cap, non-sterile, for flow cytometry (Cat. No. 40205)
- Sterilized by E.O. gas (Cat. No. 40005, 40014, 41005, 41014)
- Irradiated by Gamma (Cat. No. 40105, 40114)
- Translucent polypropylene tubes with high chemical and thermal stability (Cat. No. 41005, 41014)
- Non-cytotoxic
- Non-pyrogenic
- DNase / RNase–free
- Human DNA–free



Cat. No. 41014, 41005

Cat. No. 40114, 40105

Test Tube									
Туре	Cat. No.	Material (Tube / Cap)	Total Vol. (ml)	External Dimensions d x h (mm)	RCF Rating	Sterile	Packaging		
	40005	PS / LDPE	5.00	12.00 x 75.00	1,400 x g	E.O.	25 / 500		
	40105	PS / LDPE	5.00	12.00 x 75.00	1,400 x g	Irradiation	25 / 500		
	41005	PP / LDPE	5.00	12.00 x 75.00	3,000 x g	E.O.	25 / 500		
	40205	PS	5.00	12.00 x 75.00	1,400 x g	-	100 / 1,000		
	40014	PS / LDPE	14.00	17.00 x 95.40	1,400 x g	E.O.	25 / 500		
	40114	PS / LDPE	14.00	17.00 x 95.40	1,400 x g	Irradiation	25 / 500		
	41014	PP / LDPE	14.00	17.00 x 95.40	3,000 x g	E.O.	25 / 500		

2 ml Vials are designed for the storage and transportation of biological material. Every screw cap has silicone O-ring seal to ensure leak proof, providing a smooth and uniform inner surface, thus reducing the risk of contamination.

With unattached caps



2 ml Vial									
Туре	Cat. No.	Total Vol. (ml)	Material (Tube / Cap)	Bottom Type	Packaging				
	45002	2.00	PP / HDPE	Skirted	500 / 2,000				

1.5 ml Strip Tube, available as six microcentrifuge tubes per strip, is ideal for any large-scale experiments.

The strips can be cut into individual tubes, and are universally applicable to centrifugation*.

* 1.5 ml Strip Tube may restrictedly compatible with rotors, depending on the types of rotor being used for centrifugation. Compatibility test is highly recommended. (Compatible with most 24-, 30-hole rotors, and few 18-hole rotors)

- Snap cap with tight sealing
- External graduations with marking area
- Central part in cap enough to be penetrated by syringe needle
- Autoclavable
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-free
- Human DNA–free



1.5 ml Strip Tube									
Туре	Cat. No.	Material	Color	Total Vol. (ml)	RCF Rating	Sterile	Packaging		
43.866	60615	PP	Clear	1.50	30,000 x g	-	80 / 800		
	60715	PP	Clear	1.50	30,000 x g	+	40 / 800		

Smooth opening and tight sealing are unique features of SPL's Microcentrifuge Tubes. Microcentrifuge Tubes are produced with high- quality, high-strength polypropylene to fulfill various needs of applications in molecular biology.

SPL Microcentrifuge Tubes come in three sizes: 1.5 ml, 1.7 ml and 2.0 ml. These tubes not only differ in size but each tube also serves a distinct purpose. Please refer to the specific descriptions below to select the most appropriate Microcentrifuge Tubes for your use.

- External graduations with marking area
- Autoclavable
- Snap cap opens smoothly but seals tight (1.5 ml, 2.0 ml)
- Piercing port in the center of the cap is penetrable by syringe needles (1.5 ml, 2.0 ml)
- Has excellent visibility (1.7 ml)
- 5 colors: Blue, Green, Orange, Pink, Yellow (Cat. No. 61015, 61017)
- Amber Max offers more powerful light shielding. (Cat. No. 64015, 1.5 ml only)
- Non-pyrogenic
- Non–cytotoxic
- DNase / RNase-free
- Human DNA–free





Cat. No. 64015

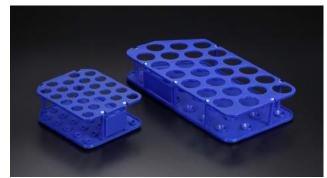
Microce	Microcentrifuge Tube								
Туре	Cat. No.	Material	Color	Total Vol. (ml)	RCF Rating	Sterile	Packaging		
V	60015	PP	Clear	1.50	30,000 x g	-	500 / 1,000 / 5,000		
	60115	PP	Clear	1.50	30,000 x g	+	250 / 1,000 / 5,000		
	61015	PP	5 colors	1.50	30,000 x g	-	200 / 1,000 / 5,000		
V	62015	PP	Amber	1.50	30,000 x g	-	500 / 1,000 / 5,000		
Ţ	64015	PP	Amber Max	1.50	30,000 x g	-	200 / 1,000		
	60017	PP	Clear	1.70	25,000 x g	-	500 / 1,000 / 5,000		
V	60117	PP	Clear	1.70	25,000 x g	+	250 / 1,000 / 5,000		
	61017	PP	5 colors	1.70	25,000 x g	-	200 / 1,000 / 5,000		
₩ ⁻	62017	PP	Amber	1.70	25,000 x g	-	500 / 1,000 / 5,000		
	61020	PP	Clear	2.00	20,000 x g	-	500 / 1,000 / 5,000		
	61120	PP	Clear	2.00	20,000 x g	+	250 / 1,000 / 5,000		

SPL is also dedicated to developing and manufacturing various products for sample storage.

SPL Conical Tube Rack I is economical and alternative solution for stainless wire racks or other plastic racks.

Racks are uniquely designed for handling and storing 25 conical tubes (i.e., 15 ml or 50 ml).

- Excellent stackability
- Numeric labeling



Conical Tube Rack I							
Туре	Cat. No.	Material	Description	Packaging			
00000 00000 00000 00000	52015	PP	25 Holes for 15 ml tubes	20			
	52050	PP	25 Holes for 50 ml tubes	20			

SPL Conical Tube Rack II is economical and alternative solution for stainless wire racks or other plastic racks.

Racks are ergonomically designed for easier handling and storing 25 conical tubes (i.e., 15 or 50 ml).

Numeric labeling

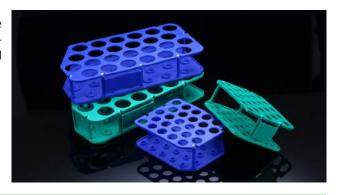


Conical Tube Rack II						
Туре	Cat. No.	Material	Description	Packaging		
•	52115	PP	25 Holes for 15 ml tubes	20		
0000 0000 0000 0000	52150	PP	25 Holes for 50 ml tubes	20		

Snap Tube Rack, 2well Conical Tube Rack

SPL Snap Tube Racks are designed identical to SPL Conical Tube Racks, with the exception of inner dimensions and enhanced structural integrity. The racks are uniquely designed for handling and storage of 25 snap tubes (i.e., 15 ml or 50 ml).

- Excellent stackability
- Numeric labeling
- 2 colors: Blue, Green



Snap Tube Rack							
Туре	Cat. No.	Material	Description	Packaging			
00000 100000 100000 100000	53015	PP	25 Holes for 5 & 15 ml tubes	50			
(000000) (000000) (000000)	53050	PP	25 Holes for 50 ml tubes	20			

2well Conical Tube Racks maximize space with the flexibility to hold two type tubes (15 / 50 ml) in one configurable rack and they are also suitable for simple handling such as weighing.

- Hold 1 x 50 ml and 1 x 15 ml Conical Tubes
- Easy to grip by hand
- Slides smoothly across the bench top
- Assorted colors: Black, White, Lime and Green



2well Conical Tube Rack							
Туре	Cat. No.	Material	Color	Description	Packaging		
	52202	PP	4 colors	2 Holes for 15 & 50 ml tubes	20		

5 ml Tube Rack, Stacker Microtube Rack

SPL 5 ml Tube Rack, which is designed for 5 ml centrifuge tubes, is specialized for easy viewing of tube contents. 5 ml Tube Rack is made of Polypropylene (PP) and provides high level of chemical and heat resistance. This rack will be also suitable to accommodate other size tubes with 15 ml Conical Tubes. SPL 5 ml Tube Rack stores up to 12 tubes for bench-top use, storage or transport of samples.

- Stores tubes in compact arrangement (2 x 6 array)
- Numeric positions for easy sample identification
- Assorted colors (White, Black, Purple)
- Autoclavable
- Stackable



5 ml Tube Rack							
Туре	Cat. No.	Material	Description	Packaging			
	61012	PP	2 x 6 (12 Holes)	12			

SPL Stacker Microtube Racks are uniquely designed for handling and storage of Microcentrifuge Tubes.

- Stackable feature for space saving
- 5 colors: Pink, Yellow, Green, Orange, Blue
- Non-autoclavable



Stacker Microtube Rack						
Туре	Cat. No.	Material	Description	Packaging		
	61048	ABS	6 x 8 (48 Holes)	10		

1.5 ml arch-shaped Strip Tube Rack not only facilitates efficient storage and handling but also ensures test samples are easily observable and directly vortexing on the rack.

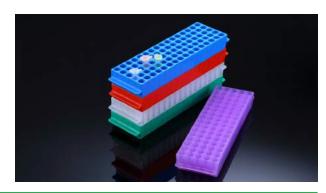
- Stackable feature for space saving
- 2 Colors: Green, Violet
- Non-autoclavable



1.5 ml Strip	Tube Rack			
Туре	Cat. No.	Material	Description	Packaging
8888	61024	PS	6 x 4 (24 Holes)	10

SPL Microtube Racks are designed for handling and storage of Microcentrifuge Tubes.

- Numeric labeling
- 5 colors: White, Blue, Green, Red, Purple
- Autoclavable



Microtube Rack						
Туре	Cat. No.	Material	Description	Packaging		
	61080	PP	5 x 16 (80 Holes)	25		

SPL PCR Tube Racks are specially designed to handle and store PCR Tubes or Strips.

PCR Tube Rack, Storage Box

- 5 colors: White, Blue, Green, Orange, Purple
- Autoclavable



PCR Tube Rack						
Туре	Cat. No.	Material	Description	Packaging		
0000000000 00000000000 00000000000 00000	80096	PP	8 x 12 (96 Holes)	10		

SPL Storage Boxes are designed to hold microtubes and vials in a wide temperature ranges. Two different sizes are available for various purposes.

- Temperature range: -70 ~ +140°C
- 5 colors: Blue, Green, Orange, Pink, Purple (Cat. No. 81100)
- Hinged lid type (Cat. No. 80100, 81100, 84100)
- Autoclavable
- Amber type (Cat. No. 84100)



Storage Box							
Туре	Cat. No.	Material	Description	Feature	Packaging		
	80100	PP	Natural Color	10 x 10 (100 Holes)	30		
	81100	PP	5 Colors	10 x 10 (100 Holes)	30		
	84100	PP	Amber	10 x 10 (100 Holes)	6		
	81081	PP	Natural Color	9 x 9 (81 Holes)	40		

Most biological samples and reagents should be stored and maintained in appropriate conditions depending on the purpose of your experiments. Our products are not solely designed to store your liquid samples, but to provide extra features useful in experiments, such as centrifugation-feasibility and light shielding function. Therefore, choosing appropriate tubes or bottles will allow you store your liquid samples and conduct experiments accordingly.

SPL Wide-Mouth Bottles are durable bottles for storing and handling liquid / solid forms of samples and chemicals. Various sizes are available.

- Volumes range from 20 to 500 ml
- 250 ml bottles are applicable for centrifugation (RCF 4,000 g)
- Caution: Not designed for use under full vacuum or high pressure (Pressure limit: -20 cmHg at room temp.)



Wide-Mou	Wide-Mouth Bottle (HDPE)								
Туре	Cat. No.	Material (Bottle / Cap)	Total Vol. (ml)	Closure Size (mm)	Packaging				
	59020	HDPE / PP	20.00	32.00	1,000				
	59030	HDPE / PP	30.00	32.00	1,000				
	59033	HDPE / PP	30.00	32.00	1,000				
	59031	HDPE / PP	30.00	32.00	12 / 72				
	59060	HDPE / PP	60.00	32.00	1,000				
	59125	HDPE / PP	125.00	42.50	500				
	59250	HDPE / PP	250.00	46.20	72				
	59500	HDPE / PP	500.00	57.20	48				

SPL Wide-Mouth Bottles are durable bottles for storing and handling liquid / solid forms of samples and chemicals. Various sizes are available.

- Useful for light-sensitive materials
- Volumes range from 20 to 500 ml
- 250 ml bottles are applicable for centrifugation (RCF 4,000 g)
- Caution: Not designed for use under full vacuum or high pressure (Pressure limit: -20 cmHg at room temp.)



Wide-Mouth Bottle (Amber)									
Туре	Cat. No.	Material (Bottle / Cap)	Total Vol. (ml)	Closure Size (mm)	Packaging				
	57020	HDPE / PP	20.00	32.00	1,000				
	57030	HDPE / PP	30.00	32.00	1,000				
	57060	HDPE / PP	60.00	32.00	1,000				
	57125	HDPE / PP	125.00	42.50	500				
	57250	HDPE / PP	250.00	46.20	72				
	57500	HDPE / PP	500.00	57.20	48				

SPL Wide-Mouth Bottles are durable bottles for storing and handling liquid / solid forms of samples and chemicals. Various sizes are available.

- Volumes range from 5 to 500 ml
- 250 ml bottles are applicable for centrifugation (RCF 4,000 g)
- Colored caps available for 5 ml bottles: Blue, Green, Red, Yellow (Cat. No. 58005)
- Autoclavable
- Caution: Not designed for use under full vacuum or high pressure (Pressure limit: -20 cmHg at room temp.)



Wide-Mouth Bottle (PP)									
Туре	Cat. No.	Material (Bottle / Cap)	Total Vol. (ml)	Closure Size (mm)	Packaging				
	58005	PP / PP	5.00	18.00	1,000				
	58020	PP / PP	20.00	32.00	1,000				
	58030	PP / PP	30.00	32.00	1,000				
	58031	PP / PP	30.00	32.00	12 / 72				
	58060	PP / PP	60.00	32.00	1,000				
	58125	PP / PP	125.00	42.50	500				
	58250	PP / PP	250.00	46.20	72				
	58500	PP / PP	500.00	57.20	48				

SPL Life Sciences media bottles, composed of high-strength plastic material, are intended for storing and transporting general reagents and cell culture reagents.

The square-shaped bottles are designed to maximize space saving, durability, strength, and clarity.

The bottles are available as follow: 125 ml, 250 ml, 500 ml, and 1,000 ml. They are shrink-wrapped in a double-walled corrugated paper boxes and thoroughly sterilized for best quality.

- Molded-in graduation scales
- Shrink-wrap tray modules
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase–free
- Non-hemolytic
- Human DNA–free



Media Bottle										
Туре	Cat. No.	Material (Bottle / Cap)	Total Vol. (ml)	Sterile	Packaging					
	56125	PET / HDPE	125.00	+	24 / 96					
	56250	PET / HDPE	250.00	+	30 / 60					
	56500	PET / HDPE	500.00	+	24 / 48					
	56000	PET / HDPE	1,000.00	+	12 / 24					

SPL Narrow-Mouth Bottles are durable bottles for storing and handling liquid / solid forms of samples and chemicals. Various sizes are available.

- Volumes range from 4 to 1,000 ml
- Caution: Not designed for use under full vacuum or high pressure (Pressure limit: -12.5 cmHg at room temp.)



Narrow-Mouth Bottle (HDPE)

Туре	Cat. No.	Material (Bottle / Cap)	Total Vol. (ml)	Packaging
	516001	HDPE / PP	4.00	12 / 72
	516002	HDPE / PP	8.00	12 / 72
	516003	HDPE / PP	15.00	12 / 72
	516004	HDPE / PP	30.00	12 / 72
	516005	HDPE / PP	60.00	12 / 72
	516006	HDPE / PP	125.00	12 / 72
	516007	HDPE / PP	250.00	12 / 72
	516008	HDPE / PP	500.00	12 / 48
	516009	HDPE / PP	1,000.00	6 / 24

SPL Narrow-Mouth Bottles are durable bottles for storing and handling liquid / solid forms of samples and chemicals. Various sizes are available.

- Useful for light-sensitive materials
- Volumes range from 4 to 1,000 ml
- Caution: Not designed for use under full vacuum or high pressure (Pressure limit: -12.5 cmHg at room temp.)



Narrow-Mouth Bottle (Amber)

Туре	Cat. No.	Material (Bottle / Cap)	Total Vol. (ml)	Packaging
	516010	HDPE / PP	4.00	12 / 72
	516011	HDPE / PP	8.00	12 / 72
	516012	HDPE / PP	15.00	12 / 72
	516013	HDPE / PP	30.00	12 / 72
	516014	HDPE / PP	60.00	12 / 72
	516015	HDPE / PP	125.00	12 / 72
	516016	HDPE / PP	250.00	12 / 72
	516017	HDPE / PP	500.00	12 / 48
	516018	HDPE / PP	1,000.00	6/24

SPL Narrow-Mouth Bottles are durable bottles for storing and handling liquid / solid forms of samples and chemicals. Various sizes are available.

- Volumes range from 4 to 2,000 ml
- Autoclavable



Narrow-Mouth Bottle (PP)								
Туре	Cat. No.	Material (Bottle / Cap)	Total Vol. (ml)	Packaging				
	516019	PP / PP	4.00	12 / 72				
	516020	PP / PP	8.00	12 / 72				
	516021	PP / PP	15.00	12 / 72				
	516022	PP / PP	30.00	12 / 72				
	516023	PP / PP	60.00	12 / 72				
	516024	PP / PP	125.00	12 / 72				
	516025	PP / PP	250.00	12 / 72				
	516026	PP / PP	500.00	12 / 48				
	516027	PP / PP	1,000.00	6 / 24				
	516028	PP / PP	2,000.00	1/6				

SPL is also dedicated to developing and manufacturing various products for sample storage.

SPL Deep Well Plates are suitable for various experiments in the field of biology such as HTS applicable assay, sample storage, cell culture and more. Deep Well Plates which are made of high quality polypropylene display high chemical resistance to most polar organic solvents, acid and weak bases. Deep Well Plates are designed with numbers and alphabets on the top to allow for easy sampling.

- Easy to transport and storage, layered (stacking)
- For multi-channel pipette and automatic equipment
- Numeric labeling
- Available Storage at -80 ~ 121℃
- Non pyrogenic
- DNase / RNase free
- Human DNA-free

Deep Well	Deep Well Plate									
Туре	Cat. No.	Material	External Dimensions w x l x h (mm)	Bottom Type	Total Vol. (ml)	Sterile	Packaging			
	34496	PP	85.40 x 127.60 x 30.00	V	0.80	+	5 / 25			
	34596	PP	85.40 x 127.60 x 30.00	V	0.80	-	5 / 25			
	34696	PP	85.40 x 127.60 x 44.00	U	2.00	+	5 / 25			
	34796	PP	85.40 x 127.60 x 44.00	U	2.00	-	5 / 25			

Sloped bottoms of SPL Reservoirs are useful for filling multichannelpipette during both cell culture and immunoassay experiments.

- Manufactured from modified polystyrene
- Notched volume label (Cat. No. 22050, 23050)
- Supplied sterile in packs of 1 or 5



Reservoir							
Туре	Cat. No.	Material	Color	Design	Working Vol. (ml)	Sterile	Packaging
	22050	PS	White	Sloped Bottom	50.00	+	1/50
	23050	PS	White	Sloped Bottom	50.00	+	5/100
	21002	PS	White	Sloped Bottom	25.00	+	1/50
	21102	PS	White	Sloped Bottom	25.00	+	5/100
	21008	PS	White	Sloped Bottom	7.00	+	1/100
	21012	PS	White	Sloped Bottom	4.00	+	1/100

Storage Plate 96well, Omni Box, Autoclaving Jar

SPL Storage Plates are designed for storage of biological samples and chemicals.

- Storage of biological sample and chemicals in small quantity
- Temperature range: -70°C ~ + 140°C
- Chemically resistant to organic solvents, such as weak acids and weak bases.



Storage	e Plate S	96well							
Туре	Cat. No.	Material	External Dimensions w x l x h (mm)	Bottom Type	Color	Total Vol. (ml)	Surface Treatment	Sterile	Packaging
	34396	PP	85.40 x 127.60 x 14.40	Round	Clear	0.40	-	-	10 / 100

Omni Boxes of SPL enable simple and convenient storage of small experimental equipment in a single container.

• For storing magnetic bars, tubing and etc



Omni Box				
Туре	Cat. No.	Material	Dimensions w x I x h (mm)	Packaging
	80010	PS	97.00 x 183.00 x 33.00	1

Autoclaving Jars are containers suitable for autoclaving small plastic-wares that require sterilization.

Autoclavable



Autoclaving Jar								
Туре	Cat. No.	Material	Container Style (mm)	Internal Dimensions d x h (mm)	Packaging			
	310123	PP	120.00 x 80.00	103.00 x 78.60	20			

Mouse Cage, 5 ml Snap Tube Adapter, Strip tube

Mouse Cages of SPL are widely used for handling laboratory animals.

- · Light-weighted for easy handling
- Large breeding space
- Disposable



Mouse Cag	ge					
Туре	Cat. No.	Material	Dimensions wxlxh (mm)	Total Vol. (L)	Sterile	Packaging
	82018	PET	230.00 x 380.00 x 195.00	18.00	+	10
	82118	PET	230.00 x 380.00 x 195.00	18.00	-	10

SPL 5 ml Snap Tube Adapter is designed for 15 ml centrifuge rotors.

Excellent durability



5 ml Snap Tube Adapter								
Туре	Cat. No.	Material	External Dimensions d x h (mm)	RCF rating	Packaging			
	52005	Acetal	16.60 x 78.24	25,000 x g	10			

Strip Tubes are designed for storage of IPG strips after 2D electrophoresis.



Strip Tube				
Туре	Cat. No.	Material	Length (cm)	Packaging
	60020	PP	20.00	100

SPL Water Sample Bottles are suitable for environmental hygiene analysis.

- Easy to carry
- Reduced volume for storage



Water Sample Bottle									
Туре	Cat. No.	Material	External Dimensions w x l x h (mm)	Total Vol. (L)	Sterile	Packaging			
	410011	PE	79.70 x 130.80 x 160.90	1.00	+	1/150			
	410012	PE	97.90 x 162.70 x 207.10	2.00	+	1/100			
	410014	PE	127.00 x 204.20 x 260.40	4.00	+	1/65			

MOUZIP® is a unique device that serves as a complete testing bench for a variety of mouse experiments, composed of an experimental mat that absorbs spilled liquids and a paper disposal case that wraps the mouse cadaver for ethical handling, storing and disposing.

- The top side of the mat efficiently absorbs any excess liquids during the experiment, while the waterproof bottom maintains hygienic conditions.
- The paper case connected to the mat is folded up in a triangular coffin-like structure to enable ethical storage and hygienic disposal of cadaver after experiments.



MOUZIP®					
Туре	Cat. No.	Material (Outer / Inner)	Cover Dimensions (cm)	Mat Dimensions (cm)	Packaging
	82101	Kraft / Fiber mat	13.00 x 24.00	25.00 x 30.00	50

5. Plant & Insect Culture



SPL Life Sciences provides a wide range of plant culture products.

Our products are manufactured under strict quality control system to comply with customer demands. Also we provide a unique range of insect breeding containers to enable researchers to select the right products for better breeding solutions.

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5-2. Insect Culture 9 Insect Breeding Dish & Jar 9



Incu Tissues are ideal for plant tissue cultures. As the sprout grows, another Incu Tissue can be connected to the top as an optional frame.

- Embossing on the closing edge of cover and jar
- Optional frame (Cat. No. 310074)
- Cat. No. 310070 can be assembled with Insect Breeding Box (Cat. No. 310075, 310076, 310077)



Incu Tissue	2						
Туре	Cat. No.	Material	Style	External Dimensions w x I x h (mm)	Internal Dimensions w x l x h (mm)	Sterile	Packaging
	310070	PS	Square	72.00 x 72.00 x 100.00	65.40 x 65.40 x 98.20	+	4 / 120
	310071	PC	Square	72.00 x 72.00 x 100.00	65.40 x 65.40 x 98.20	-	4/120
	310072	PP	Square	72.00 x 72.00 x 100.00	65.40 x 65.40 x 98.20	-	4 / 120
	310074	PP	Frame	80.80 x 80.80 x 21.00	63.80 x 63.80 x 21.00	-	30 / 60

Plant Culture Dishes are used for sprout culture. Pre-sterilized, flat dishes provide excellent culture results.

- Excellent air circulation design
- Excellent flatness
- Stable stacking
- Designed for reduced contamination
- Autoclavable (Cat. No. 310103, 310101)
- Gridded bottom (Cat. No. 310200)



Plant Cultu	Plant Culture Dish										
Туре	Cat. No.	Material	External Dimensions d x h (mm)	Internal Dimensions d x h (mm)	Autoclavable	Sterile	Packaging				
	310103	PP	100.00 x 50.00	91.40 x 48.50	+	-	5 / 200				
	310100	PS	100.00 x 40.00	91.30 x 38.20	-	+	5 / 200				
	310101	PP	100.00 x 40.00	91.30 x 38.20	+	-	5 / 200				
	310200	PS	100.00 x 20.00	94.60 x 18.60	-	+	10 / 200				
	10090	PS	90.00 x 15.00	85.90 x 12.60	-	+	10 / 500				
	10091	PS	90.00 x 20.00	86.20 x 17.70	-	+	10 / 200				
	10100	PS	100.00 x 15.00	96.40 x 13.75	-	+	10 / 500				

Plant Culture Bottles I are used for sprout or sapling culture.

- Stackable feature for space saving
- Designed for reduced contamination
- Screw cap



Plant Cultu	ıre Bott	tle I				
Туре	Cat. No.	Material (Bottle / Cap)	Dimensions w x l x h (mm)	Total Vol. (ml)	Sterile	Packaging
	310500	PP / PP	100.00 x 100.00 x 110.00	500.00	-	1/80

Plant Culture Bottles II are used for culturing sapling or callus.

- Durable plastic bottle
- Designed for reduced contamination
- Screw cap
- Autoclavable



Plant Cultu	ıre Bott	le II				
Туре	Cat. No.	Material (Bottle / Cap)	Dimensions w x l x h (mm)	Total Vol. (ml)	Sterile	Packaging
	310501	PC / PP	115.00 x 115.00 x 140.00	500.00	-	1/50

Phytohealth is useful for the culture of individual plantlet.

- Stackable feature for space saving
- Embossing on the closing edge of cover and the jar
- Phytohealth bodies and caps are configured separately
- Autoclavable



Phytohealt	th						
Туре	Cat. No.	Material	External Dimensions d x h (mm)	Internal Dimensions-Body d x h (mm)	Internal Dimensions-Cap d x h (mm)	Sterile	Packaging
	310120	PP	120.00 x 80.00	103.00 x 78.60	101.00 x 10.20	-	400
	310121	PP	120.00 x 110.00	103.00 x 78.60	101.00 x 32.50	-	400

AraHarvest is a convenient system for culturing and harvesting seeds from individual sapling.

- AraHarvest set: tube, base, basket, top tray, bottom tray (Cat. No. 310060)
- Aracon Tube (Cat. No. 310061)
- Aracon Base (Cat. No. 310062)
- Aracon Basket (Cat. No. 310063)
- Aracon Top Tray (Cat. No. 310064), space saving 50 hole tray
- Aracon Bottom Tray (Cat. No. 310065)



AraHarvest								
Туре	Cat. No.	Material	Tube	Base	Basket	Top Tray	Bottom Tray	Packaging
	310060	PS / PP	200 ea	200 ea	200 ea	4 ea	4 ea	
ا کی ا	310061	PS	100 ea					100
Ħ	310062	PS		100 ea				100
	310063	PP			100 ea			100
(mymymymymymymymymymymymymymymymymymymy	310064	PP				4 ea		4
	310065	PP					4 ea	4

Insect Breeding Dishes and Jars are ideal containers for breeding and observing micro-insects. Ventilation hole on the cover enables excellent air circulation and easy humidity control.

Insect Breeding Dish & Jar, Box

- Easy to breed and observe micro-insects and their natural enemies
- Effective air circulation and humidity control
- Useful for room tests i.e., room breeding and drug screening
- Mesh located on the cap for ventilation and prevention of insect escape
- Stainless mesh type (Cat. No. 310202)
- External grip (Cat.No. 310050)
- Gridded bottom (Cat. No. 310201)









Ins	Insect Breeding Dish & Jar										
	Туре	Cat. No.	Material	External Dimensions d x h (mm)	Internal Dimensions d x h (mm)	Ventilation Hole Size (mm)	Mesh Pore Size (mm)	Hole Position	Sterile	Packaging	
		310050	PS	50.00 x 15.00	48.75 x 11.80	13.20	0.053	Сар	-	20 / 200	
		310102	PS	100.00 x 40.00	91.35 x 38.50	40.00	0.053	Сар	-	5 / 200	
		310122	PP	120.00 x 80.00	91.00 x 70.00	40.00	0.053	Сар	-	400	
⊏		310201	PS	100.00 x 20.00	94.62 x 18.60	40.00	0.053	Сар	-	10 / 200	
		310202	PS	100.00 x 40.00	91.35 x 38.50	40.00	0.053	Сар	-	5 / 200	

Insect Breeding Boxes are ideal for breeding and observing microinsects. Ventilation hole on the cover enables excellent air circulation and easy humidity control.

- Easy to breed and observe micro-insects and natural enemies
- Effective air circulation and humidity control
- Useful for room tests i.e., room breeding and drug screening
- Mesh type: stainless or nylon (please inquire)
- All products can be assembled with Incu Tissue (Cat. No. 310070)
- Optimal Frame (Cat. No. 310074)



Insec	Insect Breeding Box										
Туре	Cat. No.	Material	External Dimensions w x l x h (mm)	Internal Dimensions w x l x h (mm)	Ventilation Hole Size (mm)	Mesh Pore Size (mm)	Hole Position	Sterile	Packaging		
	310075	PS	72.00 x 72.00 x 100.00	65.40 x 65.40 x 98.20	40.00	0.053	Сар	-	4/120		
	310076	PS	72.00 x 72.00 x 100.00	65.40 x 65.40 x 98.20	40.00	0.053	Bottom	-	4/120		
	310077	PS	72.00 x 72.00 x 100.00	65.40 x 65.40 x 98.20	40.00	0.053	Side & Bottom (3 Holes)	-	4 / 120		
	310074	PP	80.80 x 80.80 x 21.00	63.80 x 63.80 x 21.00	-	-	-	-	30 / 60		

6. Clinical Labware



SPL Life Sciences provides labwares for storing clinical samples in different shapes and materials to be utilized for multiple purposes. All products are manufactured under strict quality protocols.

Contents

Specimen Cup & Bottle	9
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Medical Container	9!
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Medical Tube	91
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Cyto Pap Brush	9
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Transport Bottle	90

SPL Life Sciences provides labwares for storing clinical samples in different shapes and materials to be utilized for multiple purposes. All products are manufactured under strict quality protocols.

SPL Life Sciences provides high quality Specimen Cups & Bottles for medical sampling.

- Compatible with the pneumatic tube systems for hospitals (Cat. No. 410120)
- Tight sealing screw cap
- External graduations with marking area
- Urine Cup: No Cap, pouring region (Cat. No. 400121)
- Female Urine Cup (Cat. No. 410200)
- Separate packaging of caps and bodies (Cat. No. 401120)

Specimen Cup & Bottle										
Туре	Cat. No.	Material (Tube / Cap)	Total Vol. (ml)	l Vol. (ml) Sterile Packa						
	400120	PP / PE	120.00	+	5 / 250					
	401120	PP / PE	120.00	-	Cap: 250 / 500, Body: 10 / 500					
	400121	PP	120.00	-	10/500					
	410120	PP / PE	120.00	+	5 / 250					
	410200	PP	200.00	+	20 / 160					
	400050	PP / PE	50.00	+	1/100					
	400060	PP / PE	60.00	+	5 / 100					
D	401060	PP / PE	60.00	-	100					



Cat. No. 400120, 401120



Cat. No. 400121



Cat. No. 410120



Cat. No. 410200



Cat. No. 400050



Cat. No. 401060

Medical Container, Sample Tube

SPL Medical Containers are useful for storing and handling of medical samples.

- Ideal sampling containers for sputum or stool examination
- Tight sealing screw cap
- External graduation
- Self-standing conical bottom
- Spoons are provided for easy sampling: stool container (Cat. No. 400500)
- Container rack (Cat. No. 410025)







Medical Container										
Туре	Cat. No.	Material (Tube / Cap)	Color	Total Vol. (ml)	Sterile	Packaging				
	400025	PP / PE	Clear	25.00	+	100 / 500				
	400125	PP / PE	Clear	25.00	-	100 / 500				
	401125	PS / PE	Clear	125.00	-	300 / 300				
□ ∄	400500	PP / PE	Black	25.00	-	100 / 500				
	400501	PP / PE	Black	25.00	-	100 / 500				
	410025	PS	White	-	-	1/20				

SPL Sample Tubes are designed for storing various clinical samples. SPL Life Sciences provides durable, easy-to-use bottles to meet various demands of customers.

- Tight sealing screw cap
- External graduations
- Self-standing conical bottom



Sample Tube									
Туре	Cat. No.	Material (Tube / Cap)	Total Vol. (ml)	External Dimensions d x h (mm)	Sterile	Packaging			
	50221	PP / PE	20.00	25.00 x 73.00	-	25 / 500			

Embedding Cassette, Super Mega Cassette

SPL Embedding Cassettes are suitable for holding and identifying tissue sample.

- Disposable plastic tissue cassettes are made from acetal polymer
- Wider unobstructed writing surface sloped at 40° angle
- · Bases and separate lids packaging
- Integral lid type (Cat. No. 400600, 40060B, 40060G, 40060P, 40060Y)





Embedding	Cassette				
Туре	Cat. No.	Material	Color	Type of Packaging	Packaging
	400600	Acetal	White	Bulk	2,000
	40060B	Acetal	Blue	Bulk	2,000
	40060G	Acetal	Green	Bulk	2,000
	40060P	Acetal	Pink	Bulk	2,000
	40060Y	Acetal	Yellow	Bulk	2,000
	400610	Acetal	White	Bulk	2,000
	40061B	Acetal	Blue	Bulk	2,000
	40061G	Acetal	Green	Bulk	2,000
	40061P	Acetal	Pink	Bulk	2,000
	40061Y	Acetal	Yellow	Bulk	2,000
	401610	Acetal	White	Taped	70 / line, 32 lines / box, 2,240 / box
	40161B	Acetal	Blue	Taped	70 / line, 32 lines / box, 2,240 / box
	40161G	Acetal	Green	Taped	70 / line, 32 lines / box, 2,240 / box
	40161P	Acetal	Pink	Taped	70 / line, 32 lines / box, 2,240 / box
	40161Y	Acetal	Yellow	Taped	70 / line, 32 lines / box, 2,240 / box
	402610	Acetal	White	Cased	75 / line, 50 lines / box, 3,750 / box
	40261B	Acetal	Blue	Cased	75 / line, 50 lines / box, 3,750 / box
	40261G	Acetal	Green	Cased	75 / line, 50 lines / box, 3,750 / box
	40261P	Acetal	Pink	Cased	75 / line, 50 lines / box, 3,750 / box
	40261Y	Acetal	Yellow	Cased	75 / line, 50 lines / box, 3,750 / box

SPL Super Mega Cassettes are specially designed to hold large specimens during embedding processes.

- Disposable plastic tissue cassettes are made from acetal polymer
- Supplied with PET base



Super M	Super Mega Cassette								
Туре		Cat. No.	Color	Material (Cassette / Base)	External Dimensions w x l x h (mm)	Packaging			
[++)+	r	400800	Gray	Acetal / PET	57.6 x 80.8 x 16.5	100			

01_Cell Culture

SPL Serum Separating Tubes are designed to facilitate separation of serum and blood cells.

- Suitable for separating serum and blood cells
- Suitable for collection and storage of clinical specimen



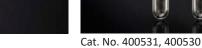
Serum Separating Tube								
Туре	Cat. No.	Material	Total Length (mm)	Total Vol. (mm)	Sterile	Packaging		
	410514	PE	210.00	10.00	-	250 / 2,000		

SPL Medical Tubes are widely used and referenced in various laboratory protocols.

- Medical packaging
- Round type bottom & Internal graduations (Cat. No. 400510, 400511, 400520, 400521)
- Round type bottom (Cat. No. 400530, 400531)
- Conical bottom & Internal graduations (Cat. No. 401015)
- Caps are provided for tight sealing (Cat. No. 400530)

Medical Tube										
Туре	Cat. No.	Material (Tube / Cap)	Total Vol. (ml)	External Dimensions d x h (mm)	Sterile	Packaging				
<u> </u>	400510	PS	5.00	12.00 x 75.00	-	250 / 2,000				
	400511	PP	5.00	12.00 x 75.00	-	250 / 2,000				
	400520	PS	14.00	17.00 x 95.40	-	25 / 2,000				
	400521	PP	14.00	17.00 x 95.40	-	25 / 2,000				
	400530	PS / PE	10.00	15.56 X 99.92	-	100 / 1,000				
	400531	PS	10.00	15.56 X 99.92	-	100 / 1,000				
	401015	PS	12.00	16.88 X 107.70	-	200 / 2,000				







Cat. No. 401015

Cyto Pap Brush, Cyto Medical Brush, Vacuum Needle Holder

SPL Cyto Pap Brushes are used for harvesting cells from human cervical regions, which are made from non-cytotoxic resin. The brushes are designed for minimal damage of the cervical tissues during harvesting.

- Brushes are separable from the handles
- Produced in KGMP certified manufacturing system
- Disposable



Cyto Pap Brush					
Туре	Cat. No.	Material (Handle / Brush)	Total Length (mm)	Sterile	Packaging
4	400200	PP / PE	200.50	+	100 / 3,000

SPL Cyto Medical Brushes are products for harvesting cells from human oral regions. Made of non-cytotoxic polymer resin, the brushes are designed for minimal damage of the oral tissues during harvesting.

- Brushes are separable from the handles
- Disposable
- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase free
- Human DNA free



Cyto Medical Brush									
Туре	Cat. No.	Material (Handle / Brush)	Total Length (mm)	Sterile	Packaging				
	400210	PP / PE	197.50	+	1/100				

SPL Vacuum Needle Holders are designed for blood collection. The holders provide fixed retention of the needle and tube during blood collection.

- Suitable for Vacuum Blood Collection
- Non-slip handle
- Disposable



Vacuum Needle Holder							
Туре	Cat. No.	Material	Total Length (mm)	Sterile	Packaging		
Î	BA400900	PP	475.00	-	250 / 1,000		

Sample Cup, Transport Tube, Transport Bottle

SPL 3 ml Sample Cups are designed for clinical pathology testing of blood.

- Useful for clinical pathology test
- Self standing conical bottom



Sample Cup 3 ml							
Туре	Cat. No.	Material	Working Vol. (ml)	Packaging			
	400730	PS	3.00	1,000 / 6,000			

SPL Transport tube for safe transport of pathogenic organisms and clinical specimens; they are tightly sealed to prevent possible leakage.

- Non-pyrogenic
- Non-cytotoxic
- DNase / RNase-Free



Transport Tube					
Туре	Cat. No.	Material (Tube / Cap)	Total Vol. (ml)	Sterile	Packaging
	BA50212	PP / PE	12.00	-	50 / 1,000

SPL Transport Bottles are specially designed for safe transport of pathogenic organisms and clinical specimens; they are tightly sealed to prevent possible leakage. Category A: An infectious substance which is transported in a form that if exposed, may cause permanent, lethal damage to living things, i.e., humans and animals.

- Packaging for infectious substances (UN2814 / 3373)
- 1,000 ml secondary container including absorbent, cushioning material and labels



Category A: An infectious substance which is transported in a form that, when exposure to it occurs, is capable of causing permanent disability, life-threatening or fatal disease in otherwise healthy humans or animals.

Category B: An infectious substance which does not meet the criteria for inclusion in Category A.

Transp	ort Bottle						
Cat. No.	Color (Cap / Body)	Material (Cap / Body)	External Dimensions d x h x l (mm)	Internal Dimensions d x h (mm)	Total Vol. (ml)	Empty Weight (g)	Packaging
401000	Red / Natural	PP / PP	164 x 164 x 168	132 x 155	1,000.00	260.00	1/10
411000	Red / Natural	PP / PP	112 x 110 x 190	107.5 x 176.3	1,000.00	147.00	1/10

SPL Product Raw material Chemical Resistance Chart

Character I	LC	PE	Н	DPE		PP		PS	Р	ET
Chemical	RT !	50-60°C	RT !	50-60°C	RT	50-60°C	RT	50-60°C	RT !	50-60°C
Acetaldehyde, pure	В	D	В	С	В	D	D	D	-	-
Acetic acid 5%	Α	Α	Α	Α	Α	Α	Α	В	В	-
Acetic acid 50%	В	С	Α	В	Α	Α	В	В	С	D
Acetone, pure	D	D	D	D	В	D	D	D	D	D
Acetonitrile, pure	Α	Α	Α	Α	Α	В	D	D	-	-
Ammonium acetate, saturated	Α	Α	Α	Α	Α	Α	Α	Α	-	-
Ammonium Hydroxide, 5%	Α	Α	Α	Α	Α	Α	Α	С	C	D
Ammonium Hydroxide, 30%	Α	В	Α	Α	Α	В	В	С	D	D
Butyric Acid, pure	D	D	С	D	D	D	D	D	D	D
Chloroform, pure	С	D	С	D	D	D	D	D	-	-
Chromic acid, 50%	Α	Α	Α	Α	В	С	С	D	-	-
Cyclohexane, pure	С	D	С	D	В	D	D	D	-	-
Dimethylsulfoxide, pure	Α	Α	Α	Α	Α	Α	Α	В	D	D
Ether, pure	D	D	С	D	D	D	D	D	Α	-
Ethyl alcohol, 40%	Α	В	Α	Α	Α	Α	Α	В	В	-
Ethyl alcohol, pure	Α	В	Α	Α	Α	Α	Α	В	В	-
Ethyl glycol, pure	Α	Α	Α	Α	Α	Α	Α	Α	Α	-
Formaldehyde, 10%	Α	Α	Α	Α	Α	Α	В	В	-	-
Formaldehyde, 40%	Α	В	Α	В	Α	Α	В	В	-	-
Formic Acid, 3%	Α	В	Α	Α	Α	Α	Α	Α	-	-
Formic Acid, 50%	В	В	Α	Α	Α	В	В	С	-	-
Glutaraldehyde, pure	Α	В	Α	Α	Α	Α	Α	С	-	-
Glutaraldehyde Disinfectant	Α	В	Α	Α	Α	Α	Α	С	-	-
Glycerine, pure	Α	Α	Α	Α	Α	Α	Α	Α	Α	-
Glycerol, pure	Α	Α	Α	Α	Α	Α	Α	Α	Α	-
Hexane	D	D	D	D	D	D	D	D	-	-
Hydrochloric acid, 5%	Α	Α	Α	Α	Α	Α	Α	Α	Α	-
Hydrochloric acid, 35%	Α	Α	Α	Α	Α	В	Α	Α	C	D
Hydrogen peroxide, 3%	Α	Α	Α	Α	Α	В	Α	В	Α	-
Hydrogen peroxide, 30%	Α	В	Α	Α	Α	С	Α	В	Α	-
Isobutyl alcohol, pure	Α	Α	А	Α	Α		В	В	-	-
Isopropanol, pure	Α	Α	А	Α	Α		Α	В	-	-
Methyl Alcohol, pure	Α	В	Α	Α	Α		В	С	В	-
Methyl Ethyl ketone, pure	D	D	D	D	Α	В	D	D	В	-
Nitric acid 10%	Α	Α	А	Α	Α		В	D	В	-
Nitric acid 70%	С	D	С	D	D	D	D	D	D	D
Phenol, liquid	D	D	D	D	D	D	D	D	D	D
Phosphoric, acid, 5%	Α	Α	Α	Α	Α	Α	Α	Α	-	-
Phosphoric, acid, 85%	Α	D	Α	Α	А		А	В	-	-
Picric acid, pure	D	D	D	D	D	D	В	С	-	-
Potassium hydroxide 1%	Α	Α	С	С	Α		А	В	-	-
Potassium hydroxide, concentrated	Α	Α	Α	Α	Α		В	В	-	-
Sulfuric acid, 6%	Α	Α	Α	Α	А		А	Α	Α	-
Sulfuric acid, 98%	В	В	С	D	С	D	С	С	D	D
Trichloroacetic acids	C	D	С	D	В	С	С	D	-	-

- A Resistance
- B Limited resistance
- C Some effect after 7 days of constant exposure
- D Immediate damage
- The above chemical resistance chart is for general guidelines only.
- Since multiple factors may affect the chemical resistance of a given product, you should test under your own conditions.

4	1.5 ml Strip Tube	71	Ν	Narrow-Mouth Bottle (Amber)	80
1	1.5 ml Strip tube Rack	76	IV	Narrow-Mouth Bottle (HDPE)	80
	2 ml Vial	71		Narrow-Mouth Bottle (PP)	81
	2well Conical Tube Rack	74			
	384 HT Plate	51	\bigcirc	Omni Box	83
	5 ml Snap Tube	69	\circ		
	5 ml Screw Tube	70	Р	Partition Petri Dish	58
	5 ml Snap Tube Adapter	84		PCR Tube	53
	5 ml Tube Rack	75		PCR Tube Rack	77
	3 m rabe rack	75		Petri Dish	58
Α	AraHarvest	90		Phytohealth	90
$\overline{}$	Aspiration Pipette	65		Plant Culture Bottle I	89
	Autoclaving Jar	83		Plant Culture Bottle II	89
	Amber Conical Tube	68		Plant Culture Dish	88
	Amber 5 ml Snap Tube	69			
_	D O !: T !	60	R	Reservoir	82
В	Bacteria Culture Tube	60		RODAC Plate	59
	Bioreactor	18		Roller Bottle	15
	Black Plate	26			
	Black & White Immunoplate	50	S	Sample Cup 3 ml	99
	Black & White Immunoplate Strip	51	O	Sample Tube	94
	Black & White Plate 96well	14		Serological Pipette	64
				Serum Separating Tube	97
C	Cell Culture Dish	11		Snap Tube	69
_	Cell Culture Flask	10		Snap Tube Rack	74
	Cell Culture Plate	12,13		Specimen Cup & Bottle	94
	Cell Culture Plate 4well	41		Spreader	61
	Cell Culture Slide I, II	27,28,29		Square Dish	14/59
	Cell Culture Slide Hybridwell™	29		Stacker Microtube Rack	75
	Cell Culture Square Bottle	17		Storage Box	77
	Cell Lifter	45		Storage Plate 96well	83
	Cell Scraper	45		Strip Tube	84
	Cell Strainer	44		Super Mega Cassette	95
	Conical Tube	68		SPL3D™ 3D Cell Culture Plate	32
	Conical Tube Rack I, II	73		SPL3D™ 3D Cell Floater	31
	Confocal Dish & Plate	30		SPL3D™ Spheroid Forming Unit	32
	Coverslip	25		SPLInsert™ Co-cultue Dish (JLK)	34
	Cuttingtop Pipette	64		SPLInsert™ Hanging	35
	Cryo Box	42		SPLInsert™ Multi Insert Dish	34
	Cryovial Rack	42		SPLInsert™ Standing	36
	Cryovial	42		SPLCoat™	30
	Cyto Medical Brush	98		-Collagen Type I Coated Ware	19
	Cyto Pap Brush	98		-Collagen Type IV Coated Ware	22
				-Fibronectin Coated Ware	23
\Box	Dropper	67		-Poly-D-Lysine Coated Ware	20
D	Deep Well Plate	82		-Laminin Coated Ware	21
				-Matrix™ Coated Ware	24
$\overline{}$	Embedding Cassette	96			43
Е	Erlenmeyer Flask	16/60		SPLFlow™	45 54
	z.remineye. r.auk	20,00		SPL Lid	54 54
\bigcirc	Grid Sticker	61		SPL SEAL™	
G		01		SPLScar™ Block	40
		40		SPLScar™ Scratcher	39
	Immunoplate	49		SPLPermea™ Bag, Rack	38
	Immunoplate Strip	49		SPLPermea™ Dish	37
	Immunoplate Strip Single Well	50	_	Took Tulk o	70
	Immunotube	52	T	Test Tube	70
	Incu Tissue	88		Transport Bottle	99
	Insect Breeding Dish & Jar	91		Transport Tube	99
	Insect Breeding Box	91		Tray Plate	15/59
	IVF Culture Dish	41		133.43.4	
			U	UVMax™	53
L	Loop & Needle	61			
_			\/	Vacuum Needle Holder	98
M	Media Bottle (Square PET)	79	V		
IVI	Medical Container	95	1 A /	Water Sample Bottle	85
	Medical Tube	97	W	White Plate	26
	Microcentrifuge Tube	72		Wide-Mouth Bottle (Amber)	78
	Micropipette Tip	66		Wide-Mouth Bottle (PP)	79
	Microtube Rack	76		Wide-Mouth Bottle (HDPE)	78
	Mouse Cage	84			, 0
	Mouzin®	85			

44

Multi C-Strainer

Alpahbetical Index

Petri Dish		39006	19	SPLCoat™ Matrix™		30101	27
10035	58	39012	19	710025	24	30102	27
10050		39024				30104	
				710075			
10060		39048		710125		30108	
10090	58	39096	19	710175	24	30111	27
10091	58	75025	19	27035		30112	2
10093		75075		27060		30114	
10095	58	75125	19	27100	24	30118	27
10096	58	75175	19	27150	24	30121	27
10100		70270				30122	
				39606			
10101	58	SPLCoat™ Poly-D-Lysine	!	39612	24	30124	27
10150	58	22035	20	39624	24	30128	27
10151		22060		39648		30401	2-
10131	56						
		22100	20	39696	24	30402	
RODAC Plate		22150	20	30804	24	30404	27
10061	50	39206		30808		30408	
				30808	24		
10063	59	39212				30501	
		39224	20	Reservoir		30502	27
Partition Petri Dish		39248	20	22050	82	30504	27
10092	го					30508	
		39296		23050		30306	Z
10192		30304	20	21002	82		
10292	58	30308	20	21102	82	Cell Culture Slide II	
10094	58	76025		21008		31101	29
1003						31102	
		76075		21012	82		
Square Dish		76125	20			31104	
10125	14	76175		SPL3D™ 3D Cell Floater		31108	
10245			20	26035	24	31101	
11125		SPLCoat™ Laminin		26060	31	31111	
11245	59	23035	21	26100	31	31112	28
		23060		39706		31114	29
Call Cultura Biah							
Cell Culture Dish		23100	21	39724		31118	
11035	11	23150	21	39796	31	31401	28
11060	11	39306		711025	31	31402	28
11090						31404	
		39312		711075	31		
11150	11	39324	21			31408	
11151	11	39348	21	Tray Plate		31501	28
20035	11			30001	1.5	31502	29
		39396					
20060		77125	21	31001	59	31504	
20100	11	77175	21			31508	28
20101	11	77125		Cell Culture Plate 4well			
20150						Disale Q M/bits Dista	00
		77175	21	30004		Black & White Plate 9	
20151	11			32004	41	30196	14
		SPLCoat™ Collagen Type	۱۱/ د			30296	14
Plant Culture Dish				Call Cultura Diata Curall		30396	1,
1 lant Culture Dish		24035		Cell Culture Plate 6well			
10090		24060	22	30006	12	30496	14
10091	88	24100	22	31006	12		
10100	88	24150		32006		Black & White Immur	nonlate
310100				32000	12		
		30604				31396	
310101		30608	22	Cell Culture Plate 12well		31496	50
310103	88	39406		30012	12	31196	50
310200				31012		31296	
310200		39412				31290	
		39424	22	32012	12		
Coverslip		39448	22			B & W Immunoplate :	
20009	25	39496		Cell Culture Plate 24well		31796	5
20012				30024	12	31896	F-
		78025					
20018		78075	22	31024		31596	
20025	25	78125	22	32024	12	31696	52
White Plate		78175	22	Call City of Plate 40 all		Immunanlata	
				Cell Culture Plate 48well		Immunoplate	
33496	26	SPLCoat™ Fibronectin		30048	12	32296	49
33596	26	25035	23	31048	12	32396	49
33696	26			32048		32496	/10
		25060		32070	12		
		25100	23			32596	
IVF Culture Dish		25150	23	Cell Culture Plate 96well		32696	
20260	41	30704		30096	12	32796	
20261							
		30708	23	31096		1.13.43.4 794	
20262		39506	23	32096	12	UVMax™	
20263	41	39512		34096	12	33096	5
				34196			
CDI Coottin Collection		39524				0.11.0.11	
SPLCoat™ Collagen Type I		39548	23	34296	12	Cell Culture Slide Hyb	ridwell™
21035	19	39596				33101	
21060				Cell Culture Plate 384well		33201	
		79025					
21100		79075	23	37384		33301	29
21150	19	79125		38384	12		
30204		79175				Black Plate	
		/ J 1 / J				Diack i late	
30208	19			Cell Culture Slide I		33196	26

33296	26	3839650	5 ml Snap Tube Adapter	6001853
33396	26	3869650	5200584	
332384	26	3879650		Microcentrifuge Tube
333384	26		Conical Tube Rack I	6001572
		SPL3D™ 3D Cell Culture Plate	5201573	6001772
384 HT Plate				
31384	E 1	3911232	5205073	7260117
				72
32384		Test Tube	Conical Tube Rack II	6101572
33384	51	4000570	5211573	6101772
34384	51	4001470	5215073	6102072
35384	51	4010570	32230	6112072
36384			Qual Canical Tuba Dack	
30304		4011470	2well Conical Tube Rack	6201572
C. D OC . II		4020570	5220274	6201772
Storage Plate 96well		4100570		6401572
34396	83	4101470	Snap Tube Rack	
			5301574	Strip Tube
Deep Well Plate		Immunotube	5305074	6002084
34496	82	4300552	33030	00020
34596			A b E I C E	4.F. of Colds T. b.s.
		4301552	Amber 5 ml Snap Tube	1.5 ml Strip Tube
34696			5400569	6061571
34796	82	Cryovial	5415069	6071571
		4301242		
SPL Lid		4302142	Amber Conical Tube	5 ml Tube Rack
35001	55		5401568	6101275
35101		4302242		01012/5
		4302342	54050	
35096		4303242	5411568	1.5 ml Strip Tube Rack
35196	55	4311142	5415068	6102476
		4311242		
SPLInsert™ Hanging		4311342	Roller Bottle	Stacker Microtube Rack
35006	25	4311342	5508515	
				6104875
35106		2 ml Vial	5518515	
35206	35	4500271	5528515	Cryovial Rack
35024	35		5538515	6105042
35124	35	5 ml Snap Tube		
35224		5000569	Media Bottle (Square PET)	Microtube Rack
36006				
		5010569	5600079	6108076
36106			5612579	
36206	35	Conical Tube	5625079	Cell Culture Flask
36024	35	5001568	5650079	7002510
36124	35	5005068		7007510
36224			Bacteria Culture Tube	7012510
37006		5011568		
		5015068	5901560	7017510
37106		5101568	5905060	7022510
37206	35	5111568		7027510
37024	35	5004068	Wide-Mouth Bottle (Amber)	7032510
37124	35	5025068	5702078	7037510
37224		30230	5703078	7117510
J, ZZ 1				
CDI I I IM CI I'		Snap Tube	5706078	7217510
SPLInsert™ Standing		5021569	5712578	7317510
35306	36	5031569	5725078	7417510
35406	36	5041569	5750078	
35506	36	5045069		Erlenmeyer Flask
35324		5055069	Wide-Mouth Bottle (PP)	7300016/60
				·
35424		5065069	5800579	7300216/60
35524			5802079	7325016/60
36306		Sample Tube	5803079	7350016/60
36406	36	5022194	5803179	7400016/60
36506	36		5806079	7400216/60
36324		Bioreactor	5812579	7425016/60
36424				•
		5035118	5825079	7450016/60
36524		5131518	5850079	
37306	36			Omni Box
37406	36	Cell Cultlure Square Bottle	Wide-Mouth Bottle (HDPE)	8001083
37506	36	5112517	5902078	
37324		5112617	59030	Cryo Box
37424		5125017	59031	8002542
37524	36	5125117	5903378	8008142
		5150017	5906078	8018142
Immunoplate Strip		5150117	5912578	8028142
38096	49	51000	59250	
38196				DCB Tubo Back
		5100117	5950078	PCR Tube Rack
38496				8009677
38596	49	5 ml Screw Tube	PCR Tube	
		5100570	6000153	Storage Box
Immunoplate Strip Single Well		5110570	6000853	8010077
38296			6001153	8108177
				//

Numerical Index

8110077	9304044	310070	88	Sample Cup 3 ml	
8410077	9307044	310071	88	400730	9
	9310044				
Mouse Cage		310074	88	Super Mega Cassette	
8201884	Aspiration Pipette			400800	9
8211884	9400165	Insect Breeding Box			
	9400265	310074	91	Transport Bottle & Tube	
MOUZIP®	9400565	310075	91	401000	9
8210185	9401065	310076	91	411000	9
		310077	91	BA50212	99
Loop & Needle	SPL SEAL™				
9000161	9600054	Phytohealth			
9001061	30000	310120	90	Water Sample Bottle	
30010	Confocal Dish & Plate	310121		410011	8!
Cell Scraper	10035030			410012	
9002045	10035030	Autoclaving Jar		410014	
9002145	10135030	310123	83		٠.
9003045			05	Dropper	
	10235030	Plant Culture Bottle ,		410501	۵.
9003145	10335030		00	410502	
	20035030	310500		410502	0
Cell Lifter	21035030	310501	89		
9004045	21135030			Serum Separating Tube	_
	21235030	Medical Container		410514	9
Spreader	21335030	400025			
9005061	23010630			Narrow-Mouth Bottle (HDPE)	
	23020630	401125		516001	
Grid Sticker		400500	95	516002	8
9010061	SPLPermea™ Bag	400501		516003	
	20011038	410025		516004	
Serological Pipette	20011038			516005	
9100164		0 . 5 5 1		516006	21
91002	20015038	400200	0.0	516007	
		400200	90	516008	
91005	SPLPermea™ Dish	Cuto Madical Druch			
9101064	20023537	Cyto Medical Brush	00	516009	81
9102564		400210	98		
9105064	SPLPermea™ Rack			Narrow-Mouth Bottle (Amber)	_
9300164	20042538	Specimen Cup&Bottle		516010	
9300264		400120		516011	
9300564	SPLScar™ Block	401120	94	516012	
9301064	20190240	400121	94	516013	
9302564	20190340	400050	94	516014	8
9305064	20190340	400060	94	516015	8
9500164		401060	94	516016	8
9500264	20191440	410200		516017	
9500564	20193440	410120		516018	
95010	20191640	710120	54	310010	0
95025	20193540	Medical Tube		Narrow-Mouth Bottle (PP)	
	20193640	400510	07	516019	0
9505064	20193740				
		400511		516020	
Cuttingtop Pipette	SPLScar™ Scratcher	400520		516021	
9111064	20190639	400521		516022	
	20192439	400530		516023	
Micropipette Tip	20192439	400531		516024	8:
9200066	20192539	401015	97	516025	
9200166	20132339			516026	
9200266	CDI Incortin Co. guiltura Diale	Embedding Cassette		516027	8
9200366	SPLInsert™ Co-culture Dish	400600	96	516028	8
92004	20926034	40060B			
92010	20920034	40060G		SPL3D™ Spheroid Forming Unit	
92011		40060P		911604	3.
92012	Insect Breeding Dish & Jar	40060Y		J11004	٠,
	31005091	400610		CDI Incortin Multi Incort Dich	
9201366	31010291			SPLInsert™ Multi Insert Dish	_
92014	31012291	40061B		911605	
9202066	31020191	40061G		911606	
9202166	31020291	40061P		911607	3
9202266		40061Y			
9202366	AraHarvest	401610		Multi C-Strainer	
9202466		40161B	96	94040	4
9220066	31006090	40161G	96	94070	
9220166	31006190	40161P	96	94100	
92202	31006290	40161Y			
92203	31006390	402610		Vacuum Needle Holder	
92204	31006490	40261B		BA400900	٥٠
JZZU4bb	31006590	40261G			76
Call Strain an					
Cell Strainer	Incu Tissue	40261P			
		40261Y	96		

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