

WHIRL-PAK[®]

results you can trust

2018-2019
Product Guide

Whirl-Pak[®]
sterile laboratory
sampling bags
are ideal for:

biomedical
dairy
environmental
food
forensics
genetics
industrial markets
medical
pharmaceutical
research
sewage
soil
surface
veterinary
water



STERILIZED SAMPLE COLLECTION AND PROCESSING BAGS



At Whirl-Pak[®], we are committed to making the world a safer place by providing better sterilized sampling products that produce better integrity in the results.

For almost 60 years Whirl-Pak[®] has held itself to a higher standard. We have been a trusted partner to the sample collection and processing industry by providing best-in-class solutions for the critical requirements of our customers. From post-manufacturing sterilization to puncture-proof tabs, Whirl-Pak[®] has a long history of providing value by partnering with our customers in the shared commitment of developing leading edge products that set a new standard in sampling reliability.

Whirl-Pak[®]
results you can trust



STERILIZED SAMPLE COLLECTION BAGS



STERILIZED SAMPLE PROCESSING BAGS



SAMPLING TOOLS & ACCESSORIES

STERILIZED SAMPLE COLLECTION BAGS	PGS. 4-17
STERILIZED SAMPLE PROCESSING BAGS	PGS. 18-23
SAMPLING TOOLS & ACCESSORIES	PGS. 24-33

Whirl-Pak® sterile laboratory sampling bags are ideal for food, dairy, water, sewage, medical, veterinary, environmental, soil, and industrial markets as well as surface, forensics, genetics, biomedical, and pharmaceutical research sampling.

Whirl-Pak® bags have been the professionals' trusted sampling bag for almost 60 years and offer puncture-proof tabs, guaranteed sterility, easy identification, and a leak-proof closure you can rely on.

Whirl-Pak® sterile sampling bags are R-Nase, D-Nase, Pyrogen and BPH free and comply with regulatory and industrial requirements:



STERILIZED SAMPLE COLLECTING BAGS



Whirl-Pak® features

- **Puncture-Proof Tabs:** Eliminate sharp points which could puncture the bags, scratch a person's hands, or puncture gloves. The "PUNCTURE-PROOF TABS" process is patented under No. 5,180,229.
- **Guaranteed Sterile:** +1 Sterilization® — process of sterilizing sealed cartons of Whirl-Pak® bags after manufacturing using ethylene oxide gas at an independent ISO-certified facility.
- **Sterility Traceability:** Download sterility certificates from whirl-pak.com using the lot number and master number on every box.
- **Film:** Exceptionally clear film and superior strength by using co-extrusion low-density and linear low-density, virgin polyethylene.
- **Leak-Proof Closure:** Whirling or folding the tabs over three times creates a leak-proof sampling container.
- **Reduced Storage and Shipping:** Whirl-Pak® bags save 90% more space than other sampling containers, which saves on shipping, storage, and waste costs.

500 bags VS. 500 beakers

Guaranteed sterile – manufactured under ISO 9001

- o Uses less shelf space
- o Easy disposal
- o Unbreakable
- o Lower shipping costs
- o Self-closing
- o Lower total cost



HOW DOES WHIRL-PAK® WORK?



Label your sample if using a write-on bag.



To open, tear off the top along the perforation.



Use the Tyvek® pull tabs to open without contamination.



Place sample in bag. Perfect for liquids or solids.



Hold bag by the tabs and whirl 3 times to make a seal.

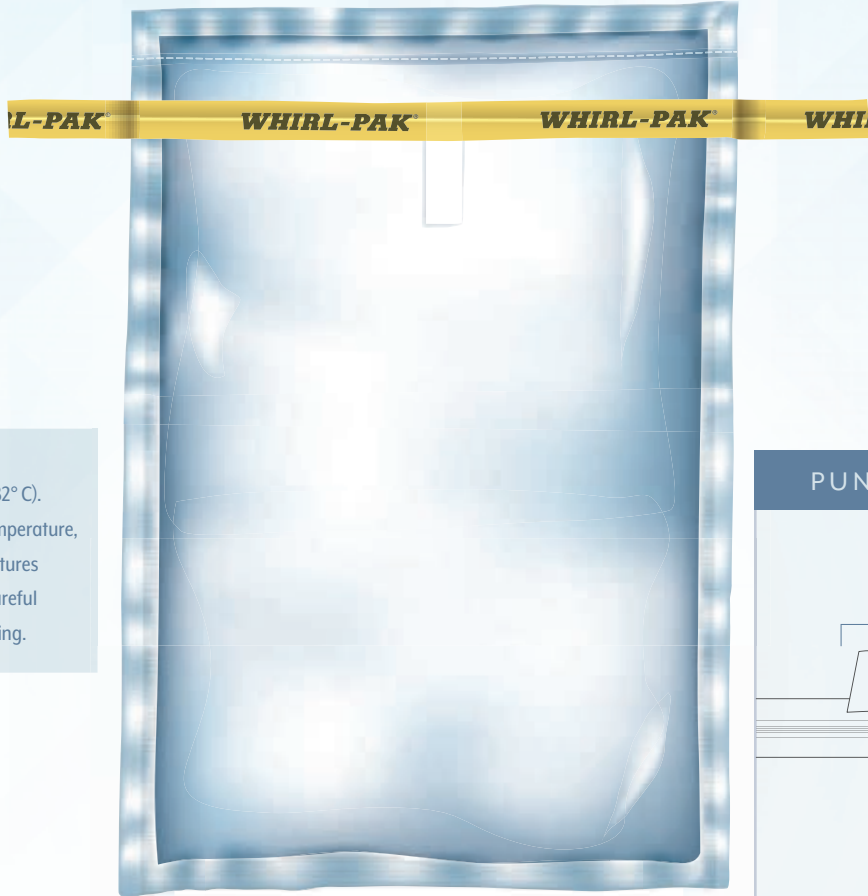


Or, fold the tab over tightly 3 to 4 times to close.



Secure closure, bend wire ends.

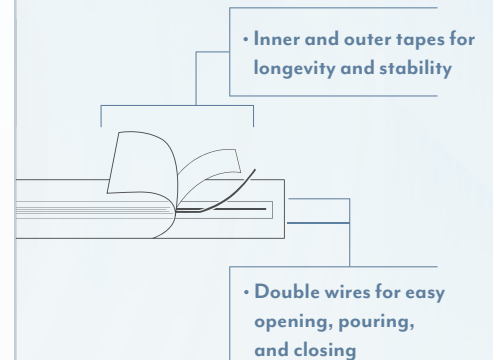
STANDARD BAGS



Capacity is measured when the bag is closed and tab is folded over three times. Volume and dimensions are approximate.

Bags should not be used at temperatures above 180° F (82° C). Bags can be frozen to any temperature, even liquid nitrogen temperatures down to -346° F (-210° C) – careful handling required after freezing.

PUNCTURE-PROOF TABS



STANDARD BAGS

CAT. NO.	CAPACITY		SIZE		THICKNESS MILS	BAGS/BOX	COMPATIBLE RACK SEE PAGE 31
	OZ.	ML	IN.	CM			
B01009WA	2 oz.	58 ml	3" W x 5" L	75 x 12.5 cm	2.25 mils	500	A, B, C, E, I
B00679WA	4 oz.	118 ml	3" W x 7¼" L	75 x 18.5 cm	2.25 mils	500	A, B, C, E, G, I
B00992WA	7 oz.	207 ml	3¾" W x 7" L	9.5 x 18 cm	3 mils	500	A, B, C, F, G, I
B01018WA	13 oz.	384 ml	5¼" W x 7½" L	13 x 19 cm	3 mils	500	D, F, H
B00736WA	18 oz.	532 ml	4½" W x 9" L	11.5 x 23 cm	2.5 mils	500	D, F
B01545WA*	18 oz.	532 ml	4½" W x 9" L	11.5 x 23 cm	2.5 mils	500	D, F
B01255WA	24 oz.	710 ml	6" W x 9" L	15 x 23 cm	2.5 mils	500	D, F
B01020WA	24 oz.	710 ml	6" W x 9" L	15 x 23 cm	3 mils	500	D, I
B01063WA	24 oz.	710 ml	6" W x 9" L	15 x 23 cm	4 mils	500	D, H
B00990WA	27 oz.	798 ml	5" W x 12" L	12.5 x 30.5 cm	3 mils	500	D, F, H
B00994WA	36 oz.	1,065 ml	5" W x 15" L	12.5 x 38 cm	3 mils	500	D, F, H
B01027WA	42 oz.	1,242 ml	6" W x 15" L	15 x 38 cm	3 mils	500	H
B01546WA*	42 oz.	1,242 ml	6" W x 15" L	15 x 38 cm	3 mils	500	H
B01532WA	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	3 mils	500	H
B01323WA	69 oz.	2,041 ml	7½" W x 15" L	19 x 38 cm	3 mils	500	H

* Indicates steel wire closure, instead of aluminum.

WRITE-ON BAGS

POST-MANUFACTURING STERILIZATION

- better bag, better results
- increased sample integrity
- perforated closure to maintain sterility

PULL TABS

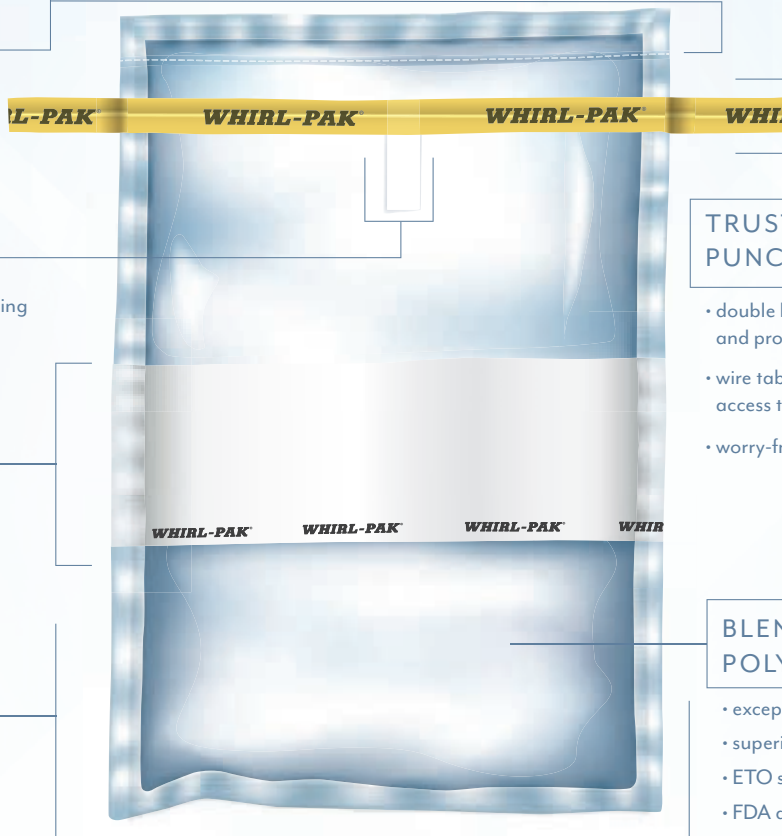
- for easy, contamination-free opening
- non-slip textured Tyvek®

CONVENIENT WRITE-ON STRIP

- makes labeling quick and easy
- clear sample identification

CONTINUOUS PERIMETER SEAL

- maximum protection against film weakness and corner leaks



TRUSTED, PUNCTURE-PROOF TABS

- double layer of tape eliminates sharp wire ends and provides a sturdy grip
- wire tabs hold the top open for easy access to add to or remove sample
- worry-free, no-leak closure for sample integrity

BLENDED VIRGIN POLYETHYLENE FILM

- exceptional clarity
- superior strength
- ETO sterilized after manufacturing
- FDA approved for food contact

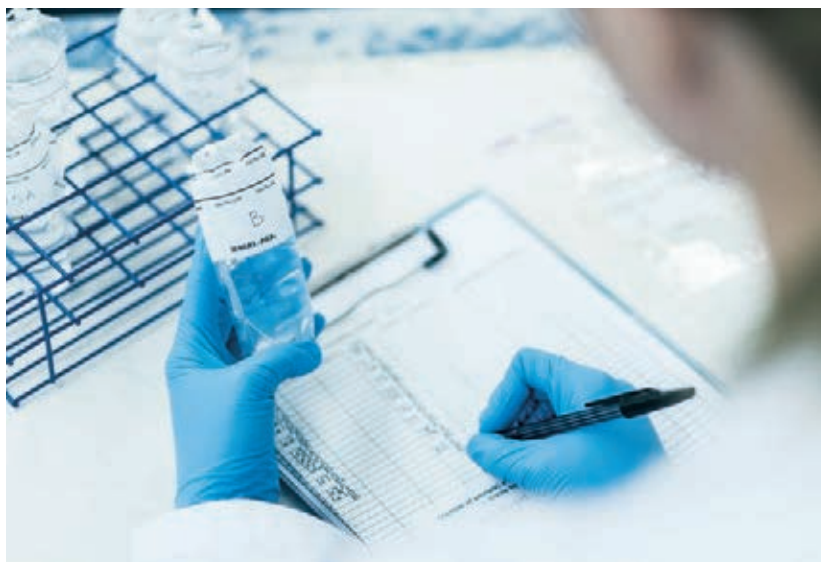
WRITE-ON BAGS

CAT. NO.	WIRE STYLE	CAPACITY		SIZE		THICKNESS	BAGS/ BOX	COMPATIBLE RACK
		OZ.	ML	IN.	CM			
								SEE PAGE 31
B01067WA	Round	1 oz.	29 ml	2½" W x 5" L	6.5 x 12.5 cm	2.25 mils	500	A, B, C, E, I
B01064WA	Round	2 oz.	58 ml	3" W x 5" L	7.5 x 12.5 cm	2.25 mils	500	A, B, C, E, I
B01339WA	1 Flat	4 oz.	118 ml	3" W x 7¼" L	7.5 x 18.5 cm	2.25 mils	500	—
B01062WA ■ ■ □	Round	4 oz.	118 ml	3" W x 7¼" L	7.5 x 18.5 cm	2.25 mils	500	A, B, C, E, G, I
B01489WA	Round	7 oz.	207 ml	3¾" W x 7" L	9.5 x 18 cm	2.5 mils	500	A, B, C, E, G, I
B01490WA	Round	13 oz.	384 ml	5¼" W x 7½" L	13 x 19 cm	2.5 mils	500	D, F, H
B01065WA ■ ■ □	Round	18 oz.	532 ml	4½" W x 9" L	11.5 x 23 cm	2.5 mils	500	D, F
B01341WA	1 Flat	18 oz.	532 ml	4½" W x 9" L	11.5 x 23 cm	2.5 mils	500	—
B01297WA ■ ■ □	Round	24 oz.	710 ml	6" W x 9" L	15 x 23 cm	3 mils	500	D, H
B01196WA	Round	24 oz.	710 ml	6" W x 9" L	15 x 23 cm	4 mils	500	D, H
B01491WA	Round	27 oz.	798 ml	5" W x 12" L	12.5 x 30.5 cm	3 mils	500	D, F, H
B01195WA ■ ■ □	Round	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	4 mils	500	H
B01515WA	Round	69 oz.	2,041 ml	7½" W x 15" L	19 x 38 cm	3 mils	500	H
B01445WA	1 Flat, 1 Round	92 oz.	2,721 ml	10" W x 15" L	25.4 x 38 cm	4 mils	250	J
B01446WA	Flat, 1 Round	123 oz.	3,637 ml	10" W x 20" L	25.4 x 50.8 cm	4 mils	250	K
B01447WA	Flat, 1 Round	184 oz.	5,441 ml	15" W x 20" L	38 x 50.8 cm	4 mils	100	L

- Flat wire provides a thicker tab, resulting in a heavier closure.
- For larger bags fold tab over tightly 4-5 times when closing.

(WT) White Tape
 (BT) Blue Tape
 (RT) Red Tape
 Indicate color by letter code: B01062(WT)WA

THIO-BAGS®



EPA approved for more efficient microbiological water sampling.

Specifically designed for sampling chlorinated water from municipalities, swimming pools, waste water, and other areas to test for fecal coliforms and other bacteria. Each sterile bag contains a nontoxic, nonnutritive tablet containing **active sodium thiosulfate** to neutralize chlorine at the time of collection. The bag is EPA approved and has the additional benefits of saving technician time, utility costs, storage space, disposal costs, and replacing other sample containers. Each sterilized bag has a convenient write-on strip.

POST-MANUFACTURING STERILIZATION

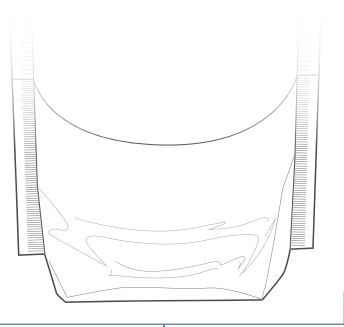
- better bag, better results
- increased sample integrity
- perforated closure to maintain sterility

PULL TABS

- for easy, contamination-free opening
- non-slip textured Tyvek®

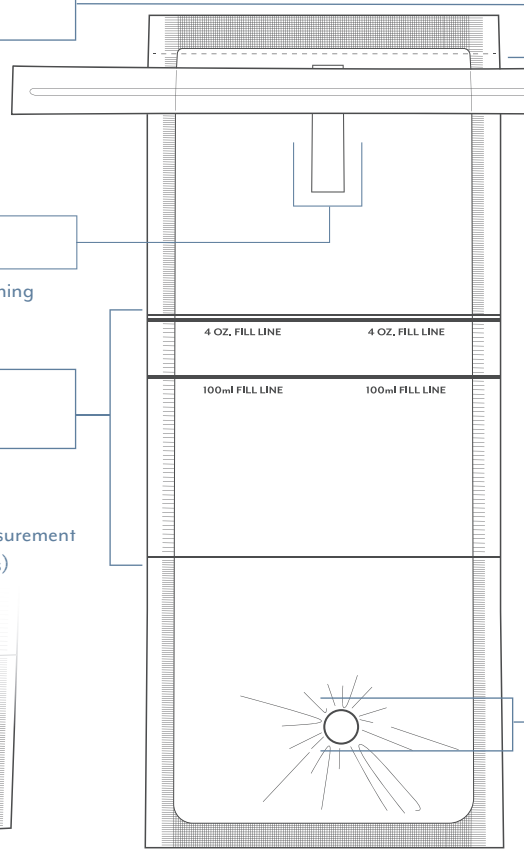
CONVENIENT WRITE-ON STRIP

- makes labeling quick and easy
- clear sample identification
- fill lines for accurate sample measurement (some sizes come without fill lines)



STAND-UP BAGS

- self-standing gusseted bags eliminate the need for racks or holders



TRUSTED, PUNCTURE-PROOF TABS

- worry-free, no-leak closure for sample integrity
- classic white with purple type closure for easy recognition
- wire tabs hold the top open for easy access to add to or remove sample

THE TABLET IS ALREADY IN THERE

- manufactured with a sodium thiosulfate tablet in the bag for chlorine neutralization

MORE EFFICIENT THAN TRADITIONAL METHODS

- save technician time
- save on utility, storage, transportation, and disposal costs

introducing new sizes

▶ B01601WA Stand up 17 oz. 500 ml

▶ B01603WA Stand up 34 oz. 1,000 ml

▶ B01604WA Stand up 68 oz. 2,000 ml

STAND UP BAGS

CAT. NO.	CAPACITY		SIZE		THICKNESS	BAGS/BOX
	OZ.	ML	IN.	CM	MILS	
B01402WA	4 oz.	118 ml	3" W x 7 1/4" L	7.5 x 18.5 cm	2.5 mils	100
▶ B01601WA	17 oz.	500 ml	6" W x 9" L	15 x 23 cm	3 mils	100
▶ B01603WA	34 oz.	1,000 ml	6" W x 15" L	15 x 38 cm	4 mils	100
▶ B01604WA	68 oz.	2,000 ml	7 1/2" W x 15" L	19 x 38 cm	4 mils	100
B01403WA	18 oz.	532 ml	4 1/2" W x 9" L	11.5 x 23 cm	3 mils	100

FLAT BAGS

CAT. NO.	CAPACITY		SIZE		THICKNESS	BAGS/BOX
	OZ.	ML	IN.	CM	MILS	
B01040WA	4 oz.	118 ml	3" W x 7 1/4" L	7.5 x 18.5 cm	2.25 mils	100
B01254WA	18 oz.	532 ml	4 1/2" W x 9" L	11.5 x 23 cm	2.5 mils	100

STAND-UP BAGS

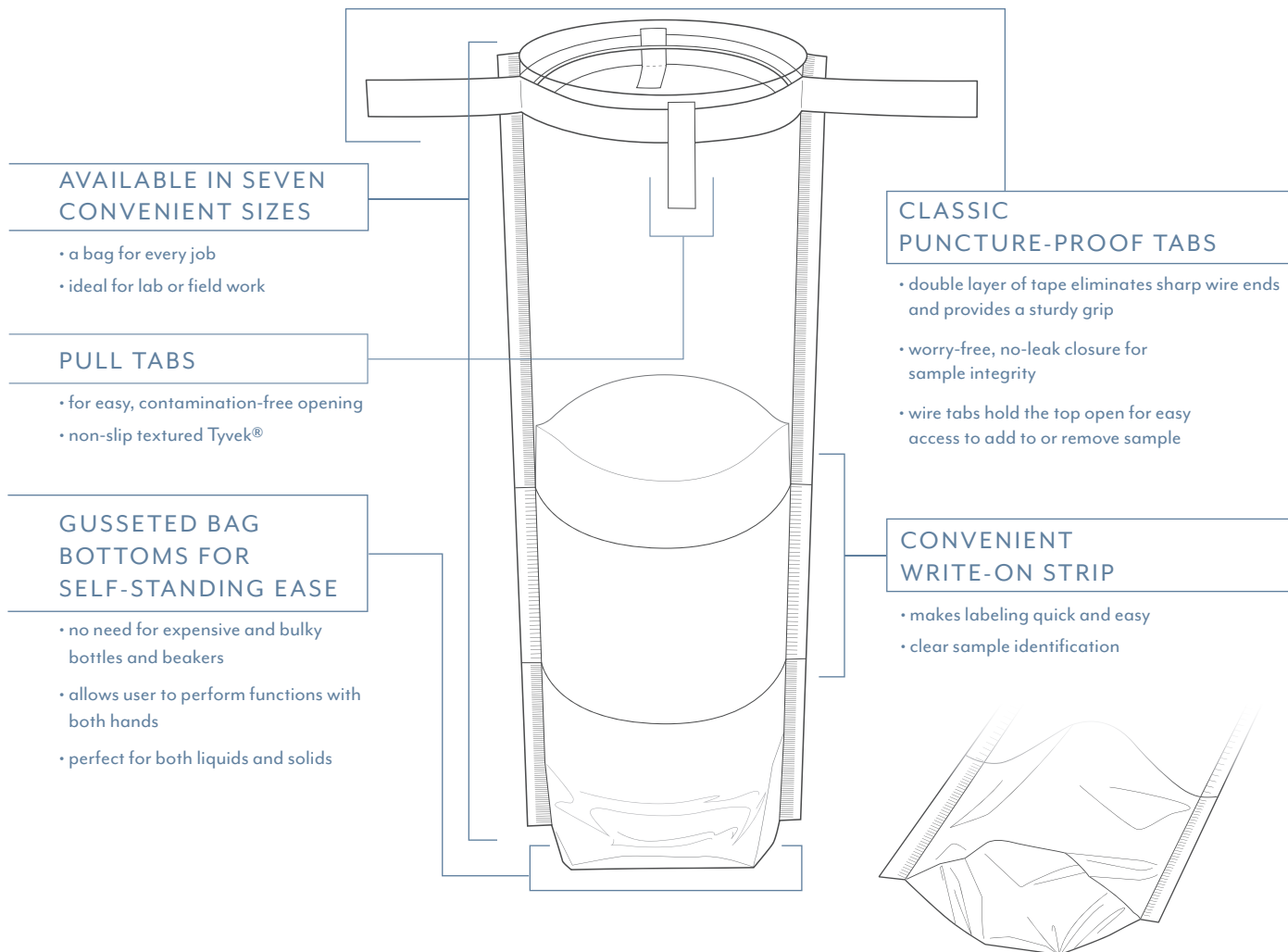


Works like a beaker or bottle without the cost or storage constraints

▣ These self-standing bags make sample handling easier as they give users the ability to perform important laboratory functions with both hands. The bottom of the gusseted bag unfolds when a sample is placed inside, allowing the bag to stand independently upright. Stand-Up bags function just like a bottle or beaker; however, they cost less, come sterilized, are shatterproof, and use only a fraction of the storage and disposal space required by hard-sided containers.

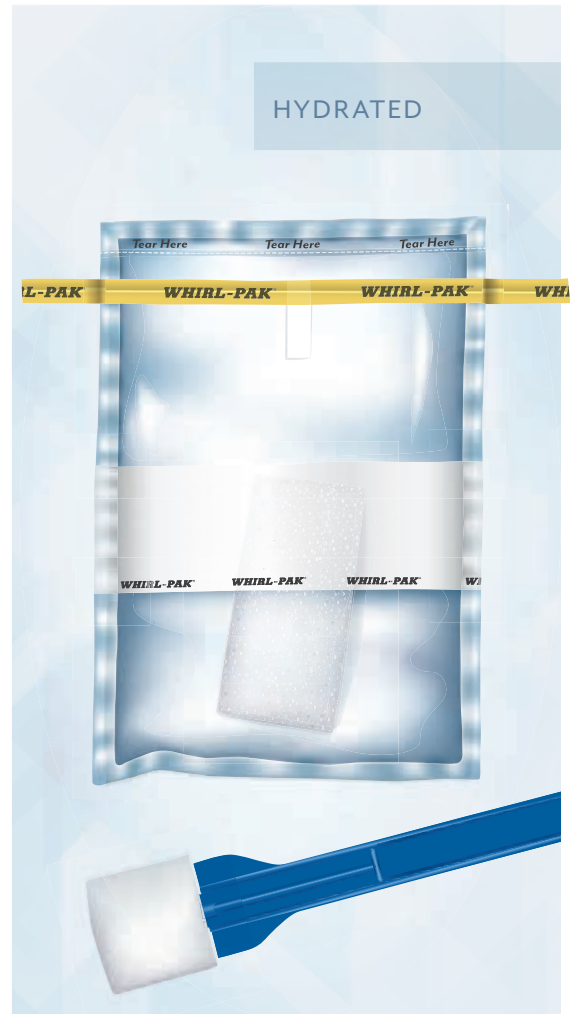
more effective than bottles & beakers

- saves space and money
- unbreakable
- guaranteed sterile
- no disposal costs



CAT. NO.	WIRE STYLE	CAPACITY		SIZE		THICKNESS	BAGS/BOX
		OZ.	ML	IN.	CM		
B01364WA	2 Round	4 oz.	118 ml	3" W x 7 1/4" L	7.5 x 18.5 cm	2.5 mils	500
B01365WA	2 Round	18 oz.	532 ml	4 1/2" W x 9" L	11.5 x 23 cm	3 mils	500
B01401WA	2 Round	24 oz.	710 ml	6" W x 9" L	15 x 23 cm	3 mils	500
B01449WA	1 Round, 1 Flat	36 oz.	1,065 ml	5" W x 15" L	12.5 x 38 cm	4 mils	250
B01450WA	1 Round, 1 Flat	42 oz.	1,242 ml	6" W x 15" L	15 x 38 cm	4 mils	250
B01451WA	1 Round, 1 Flat	69 oz.	2,041 ml	7 1/2" W x 15" L	19 x 38 cm	4 mils	250
B01542WA	1 Round, 1 Flat	138 oz.	4,080 ml	15" W x 15" L	38 x 38 cm	4 mils	100

POLYURETHANE SPONGE BAGS



HYDRATED

Welcome to the
next generation in
environmental surface
sampling

▲ Specially designed for use in the food and beverage industry, these polyurethane sponge bags pre-hydrated with HiCap™ Neutralizing Broth provide surface sampling solutions superior to standard collection methods. Medical-grade polyurethane sponges are non-toxic, super absorbent, and more resistant than traditional cellulose sponges, making them ideal for sampling rough surfaces. Hicap™ Neutralizing Broth outperforms traditional broths in every way. It provides superior neutralization, is validated up to 72 hours, is nonallergenic, has a two-year shelf life, and is compatible with 3M™ Petrifilm™.

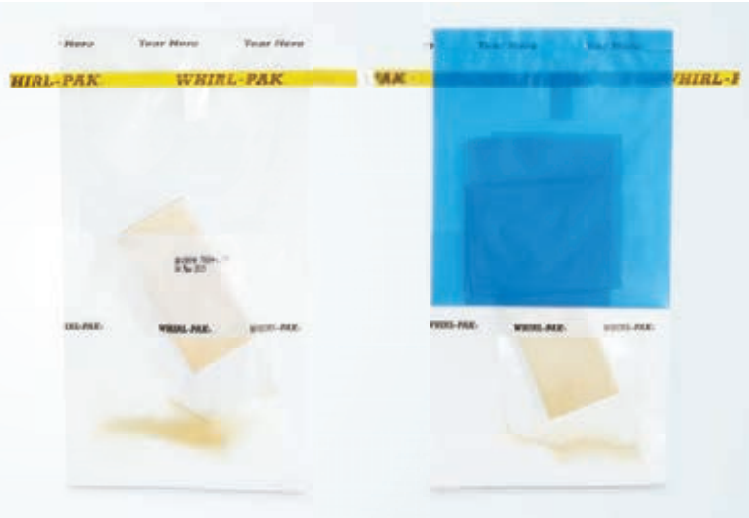
benefits of polyurethane sponges

- non-toxic – no biocides
- consistent – synthetic & high quality
- strength – resistant to tears
- better absorbency and retention

WHIRL-PAK® HYDRATED POLYSPONGE™ BAGS

Each sponge is packed in a sealed 18-oz. (532 ml) write-on bag and is hydrated with 16 ml of HiCap™ Neutralizing Broth. Terminally gamma processed to guarantee sterility. Box contains five foil pouches with 20 sponges each for a total of 100 sponges. Bags are 4½" W x 9" L (11.5 x 235 cm) with a thickness of 2.5 mils (.064 mm). Two-year shelf-life with ambient storage at 36°-86° F (2°-30° C).

- B01590WA Without Glove.**
- B01591WA With Sterile Glove.**



WHIRL-PAK® HYDRATED POLYPROBE™

The 8" (20.3 cm) long bendable polypropylene handle allows maximum contact of the sponge with the sampling surface and also helps with the collection of hard-to-reach surfaces, around corners, and irregularly shaped areas. The innovative twist-off head holds the polyurethane sponge securely and is quick and easy to remove from the handle once sample collection is completed.

The PolyProbe™ is sealed in a 24 oz. (710 ml) write-on Whirl-Pak® bag and hydrated with 10 ml of HiCap™ Neutralizing Broth. Bags are 6" W x 9" L (15 x 23 cm) with a thickness of 2.5 mils (.064 mm). Two-year shelf life with ambient storage at 36°-86° F (2°-30° C). Box contains five foil pouches with 20 probes each for a total of 100 probes.

B01592WA



HiCap™ is a registered trademark of World Bioproducts, LLC.

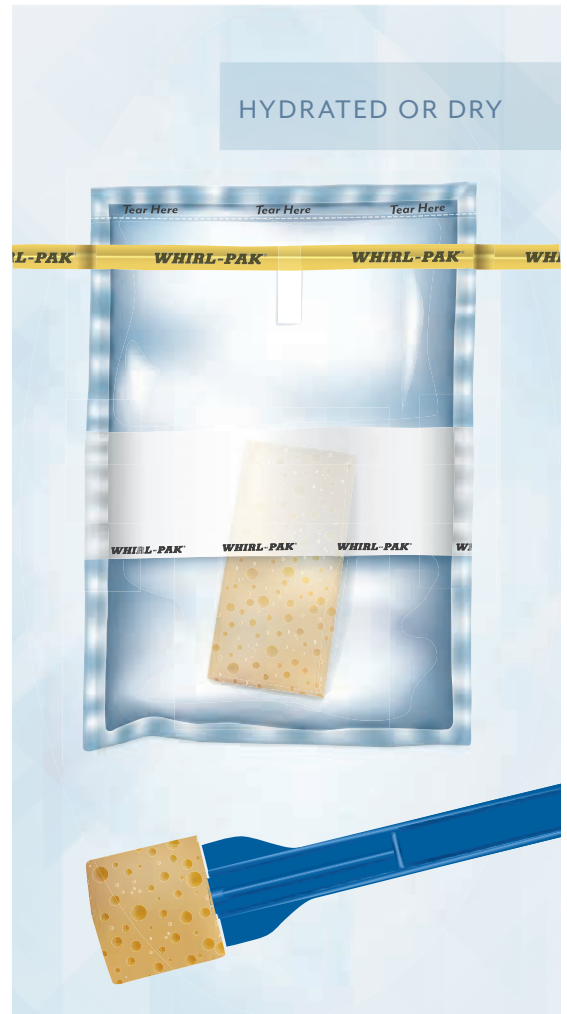
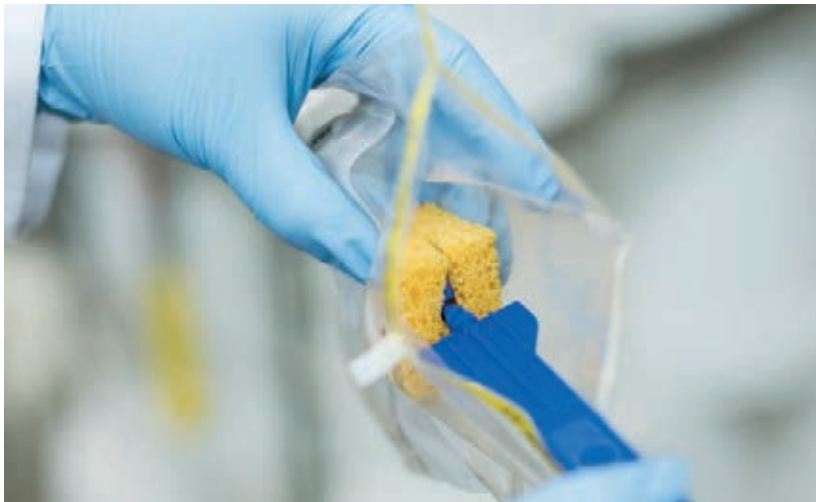
HICAP™
BROTH

VS.

TRADITIONAL
COLLECTION
BROTHS

CHARACTERISTIC	HICAP™ NEUTRALIZING BROTH	NEUTRALIZING BUFFER	LETHEEN BROTH	D/E NEUTRALIZING BROTH
Quat Neutralization	Highest	Moderate	Weakest	Highest
Free Chlorine Neutralization	Highest	Weakest	Moderate	Highest
High Acid Neutralization	Highest	Weakest	Weakest	Highest
Peroxyacetic Acid Neutralization	Highest	Yes	Yes	Highest
All components listed on EAFUS as acceptable for use in food	Yes	Yes	Yes	No
All components compatible with 3M™ Petrifilm™	Yes	Yes	Yes	No
All components nonallergenic	Yes	Unknown	Unknown	No
Compatible with molecular detection assays	Yes	Yes	Yes	Yes
Stable at ambient storage temp.	Yes	Yes	Yes	Yes

CELLULOSE SPONGE BAGS



HYDRATED OR DRY

An environmental surface sampling standard

▣ Designed for environmental surface sampling of work areas, equipment, animal carcasses, and any other place where testing for *Listeria*, *Salmonella*, *E.coli*, coliforms and other foodborne pathogens, or anthrax is required. The special natural cellulose dry sponge is free of bactericides and has been tested to be non-inhibitory. Wearing a sterile glove when wiping with the sponge is recommended to help prevent contamination.

WHIRL-PAK® HYDRATED SPECI-SPONGE

Cellulose sponge, hydrated with 10 ml of neutralizing buffer. The buffer will neutralize surface sanitizers, including quaternary ammonium compounds, phenolics, iodine preps, chlorine preps, mercurials, formaldehyde, and glutaraldehyde. B01423WA contains a size large, sterile glove in a separate compartment. Both bags are 4½" W x 9" L (11.5 x 23 cm) with 18 oz. (532 ml) capacity, and 2.5 mils (.064 mm) film thickness. Gamma radiated. Box of 100.

Diluent has a 24-month shelf life from the date of manufacture. Neutralizing buffer contains monopotassium phosphate, sodium thiosulfate, and aryl sulfonate complex.

- B01422WA Without Glove.**
- B01423WA With Sterile Glove.**



WHIRL-PAK® SPECI-SPONGE (DRY)

18-oz. (532 ml) Speci-Sponge® Bag
Size: 4½" W x 9" L (11.5 x 23 cm).
Film thickness: 2.5 mils (.064 mm). Box of 100.

- B01245WA**
55-oz. (1,627 ml) Speci-Sponge® Bag
Size: 7½" W x 12" L (19 x 30 cm) – perfect for use with homogenizer blenders.
Film thickness: 4.0 mils (.102 mm). Box of 100.

- B01299WA**
18-oz. Speci-Sponge® Bag with Sterile Glove
Includes a sterile, size large polyethylene glove attached in a bottom compartment.
Bag thickness is 2.5 mils (.064 mm).
Bag size: 4½" W x 9" L (11.5 x 23 cm). Box of 100.

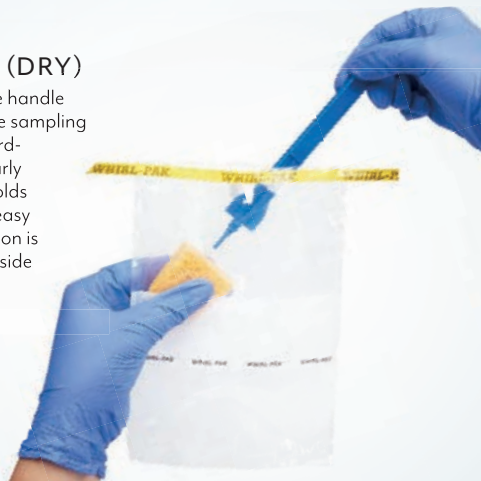
- B01392WA**



WHIRL-PAK® SPONGE PROBE (DRY)

The 8" (20.3 cm) long bendable polypropylene handle allows maximum contact of the sponge with the sampling surface and also helps with the collection of hard-to-reach surfaces, around corners, and irregularly shaped areas. The innovative twist-off head holds the cellulose sponge securely and is quick and easy to remove from the handle once sample collection is completed. Sterilized with ethylene oxide gas inside a 24-oz. (710 ml) write-on bag. Box of 50.

- B01475WA**



CAT. NO.	STYLE	CAPACITY		SIZE		THICKNESS	BAGS/BOX
		OZ.	ML	IN.	CM		
B01245WA	Dry	18 oz.	532 ml	4½" W x 9" L	11.5 x 23 cm	2.5 mils	100
B01299WA	Dry	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	4 mils	100
B01392WA	Dry w/glove	18 oz.	532 ml	4½" W x 15" L	11.5 x 38 cm	2.5 mils	100
B01475WA	Dry Sponge Probe	24 oz.	710 ml	6" W x 9" L	15 x 23 cm	3 mils	50
B01422WA	Hydrated	18 oz.	532 ml	4½" W x 9" L	11.5 x 23 cm	2.5 mils	100
B01423WA	Hydrated w/glove	18 oz.	532 ml	4½" W x 15" L	11.5 x 38 cm	2.5 mils	100

accessories



NASCO SPONGE POLE WITH DETACHABLE SPONGE HOLDER

For hard to reach places, the adjustable aluminum pole extends from 6 ft. (1.83 m) to 12 ft. (3.66 m) long. Sponge holder is autoclavable. Optional Probe Adapter (B01593WA) sold separately. Sponges not included.

- B01457WA**

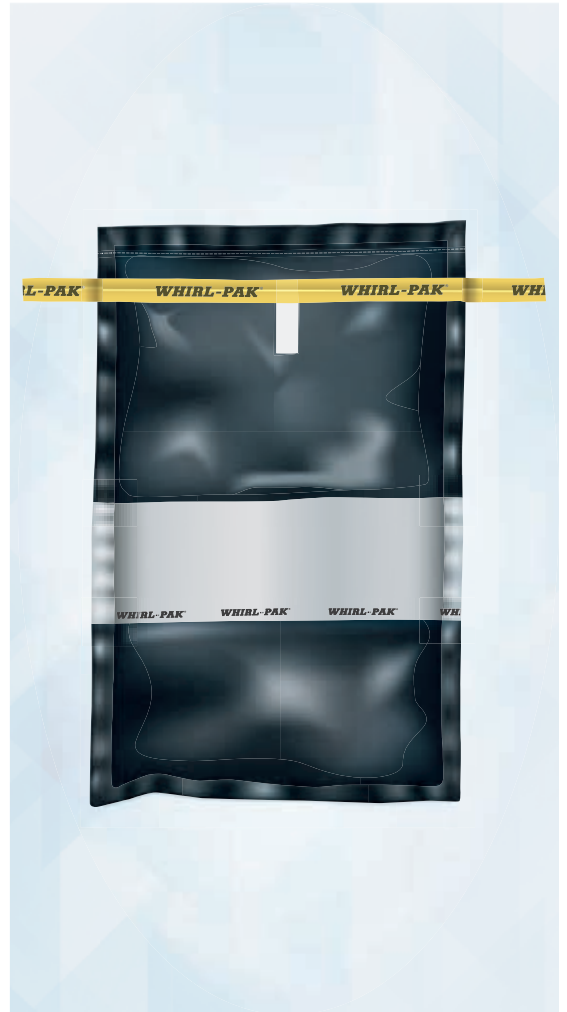
- B01559WA Replacement Sponge Holder.**

- B01351WA Non-Sterile Bulk Sponges.**
Bag of approximately 250.

Probe Adapter. Designed for use with the Whirl-Pak® Sponge Probe or PolyProbe™. Threaded aluminum adapter can be easily and securely attached to most available extension poles in the market, including the Nasco Sponge Pole (B01457WA).

- B01593WA**

SPECIALTY BAGS



Solutions for all your
sampling needs

From blackout material to the inclusion of sterile instruments, these specialty bags are designed with specific features to make sample collection in every industry convenient and more efficient.



WHIRL-PAK® SPOON BAG

18-oz. (532 ml) write-on bag contains a sterile, disposable polystyrene plastic spoon of approximately 1 teaspoon capacity. Box of 100.

B01478WA

B01041(A)WA Bulk Sterilized Spoons.

5 pkgs of 20. Box of 100.

B01042(A)WA Bulk Sterilized Sporks.

5 pkgs of 20. Box of 100.

WHIRL-PAK® SCOOP BAG

The 2-oz. (60 cc) polypropylene scoop measures 7" (18.5 cm) long, and comes sterilized in an 18-oz. (532 ml) bag. Film thickness: 2.5 mils (.064 mm). Box of 50 bags.

B01350WA



NASCO MEAT/TURKEY CARCASS SAMPLING KIT

Contains a pair of sterile polyethylene gloves, 25 ml buffered peptone water (**the peptone water has an expiration date marked on the box**), a sterile Whirl-Pak® Speci-Sponge® bag, and two disposable sterile templates, one for meat carcasses (10 x 10 cm) and one for turkeys (5 x 10 cm). The disposable template eliminates the need for re-sanitizing reusable templates, saving time and money. The flexible heavy paper templates form to the contours of the carcass, making it easier to swab within the required area. The gloves and templates are packaged together in a sealed plastic bag that has a perforation for easy opening.

Box of 25 kits.

B01324WA

Templates and Gloves Only. 100 individually packaged and sterilized kits containing one meat template, one turkey template, and one pair of gloves.

B01378WA



WHIRL-PAK® BLACK BAG

This opaque bag provides maximum protection for samples that are sensitive to light. Ideal for pharmaceuticals, spinal fluid, amniotic fluid, seasonings, flavors, food supplements, vitamins, marine life, and many other liquid or solid samples. FDA approved for food contact. Box of 500 bags.

B01472WA 4 oz. (118 ml). Film thickness 2.5 mils (.064 mm).

B01418WA 18 oz. (532 ml). Film thickness 2.5 mils (.064 mm).

B01558WA 55 oz. (1,627 ml). Film thickness 4.0 mils (.102 mm).

POCKET BAG

The pocket on this 24-oz. (710 ml) bag measures 5½" W x 5½" L (13.7 x 14.2 cm) and keeps important paperwork dry, clean, and separate from the sample. Bag measures 6" W x 9" L (15 x 23 cm). Film thickness: 2.5 mils (.064 mm). Box of 500 bags.

B01255WA



NASCO POULTRY RINSE BAG

For use following USDA instructions for poultry sampling, testing for E. coli., this polyethylene bag measures 15" W x 20" L (37.5 x 50 cm), is sealed at the top to maintain sterility, and has a perforation for easy opening. Holds small turkeys, chickens, and other similar size poultry. Film thickness: 2.0 mils (.051 mm). Box of 250 bags.

B01319WA



STERILIZED SAMPLE PROCESSING BAGS



Whirl-Pak® features

- **Puncture-Proof Tabs:** Eliminate sharp points which could puncture the bags, scratch a person's hands, or puncture gloves. The "PUNCTURE-PROOF TABS" process is patented under No. 5,180,229.
- **Guaranteed Sterile:** +1 Sterilization® — process of sterilizing sealed cartons of Whirl-Pak® bags after manufacturing using ethylene oxide gas at an independent ISO-certified facility.
- **Sterility Traceability:** Download sterility certificates from whirl-pak.com using the lot number and master number on every box.
- **Film:** Exceptionally clear film and superior strength by using co-extrusion low-density and linear low-density, virgin polyethylene.
- **Leak-Proof Closure:** Whirling or folding the tabs over three times creates a leak-proof sampling container.
- **Reduced Storage and Shipping:** Whirl-Pak® bags save 90% more space than other sampling containers, which saves on shipping, storage, and waste costs.

PLAIN BLENDER BAGS

When the sample does not have to be retained, these bags are designed for quick testing and disposal. The bags are made of Whirl-Pak® film, have a perimeter seal, and are sealed at the top.

There is a perforation for easy opening and to protect sterility, which allows for separate handling of each bag.

7½" W x 12" L (19 x 30 cm). Thickness 3.0 mils (.076 mm). Box of 1,000 bags.

B01421WA

15" W x 20" L (37.5 x 50 cm). Thickness 4.0 mils (.102 mm). Box of 250 bags.

B01474WA



LOCKING PIPE CLOSURES

These handy, cost-effective locking pipes provide an air- and water-tight closure for bags without traditional tape and wire closure. Autoclavable. Pack of 50 nonsterile closures.

9" Pipe Closures. Use these locking pipes with 55 oz. (1,627 ml) and 69 oz. (2,041 ml) blender bags without tape and wire closure to save money. Yellow pipe is 9" L; white pipe is 7¾" L.

B01550WA

7¼" Pipe Closures. Yellow pipe is 7¼" L; white pipe is 6¾" L.

B01595WA



ROUND BOTTOM SEAL

Designed to minimize sample fragments getting caught in the corners of the bag during blending. 52 oz. (1,538 ml). 7" W x 13" L (18.5 x 33 cm). Thickness 4 mils. Box of 500.

B01239WA



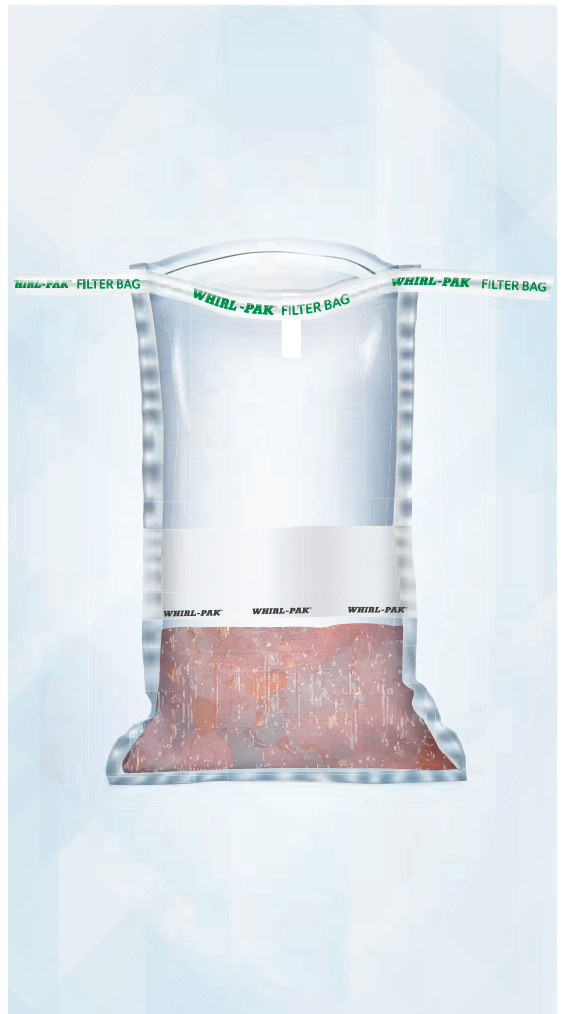
NASCO PIPETTE FILTER SLEEVE

Prevents solids from plugging the tip of the pipette when sampling liquids that may contain solid particles. Half of the sleeve is made with the 330 micron hole size filter material. The pipette slides into the sterile sleeve and is inserted into the liquid to be tested. The liquid will pass through the filter, but not the solids. The sleeve is sized to hold a 10 ml pipette. Each pack of 25 comes packaged in a sterile Whirl-Pak® bag, which can be closed after each use. Box of 20 packs (500 sleeves).

B01523WA



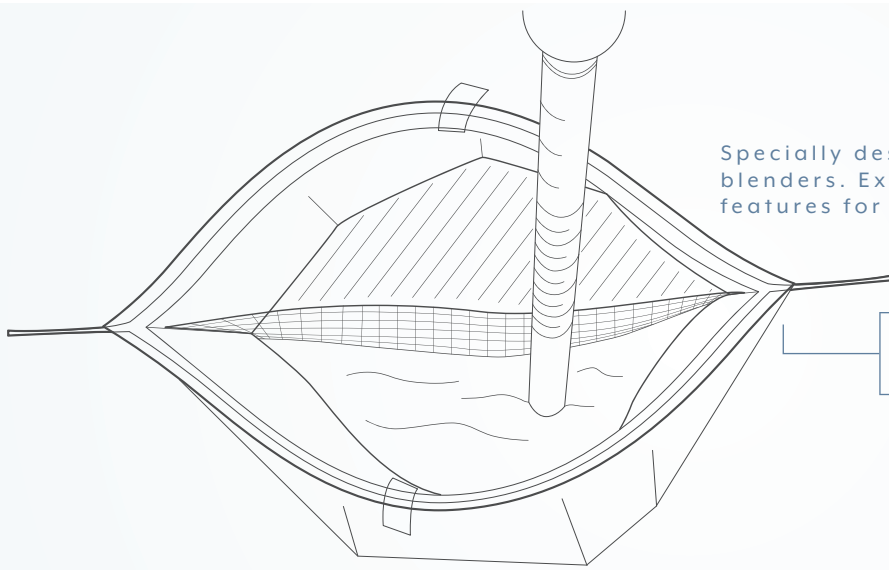
FULL-PAGE FILTER BAGS



Full-page filter bags perfect for collecting, blending, and pipetting



Filter Bags contain a third layer of finely perforated polyethylene film, which filters out solids in the blended sample, allowing for easy pipetting of the liquid. The hole diameter in the filter layer measures .013 inches (.33 mm), 330 microns, and there are 1,840 holes per square inch (285 per square cm). The filter layer inside the bag is sealed into the sides and bottom perimeter, allowing the sample to be placed in the bag on either side. Liquids of a blended sample will transfer through the filter, while solids remain separate and contained.



Specially designed for use with homogenizer blenders. Extra-heavy PE film and special features for easier and more efficient testing.

FULL-PAGE POLYETHYLENE FILTER

- 330 micron filter layer
- available with or without closure
- collect, blend, and incubate samples with one bag



Filtered

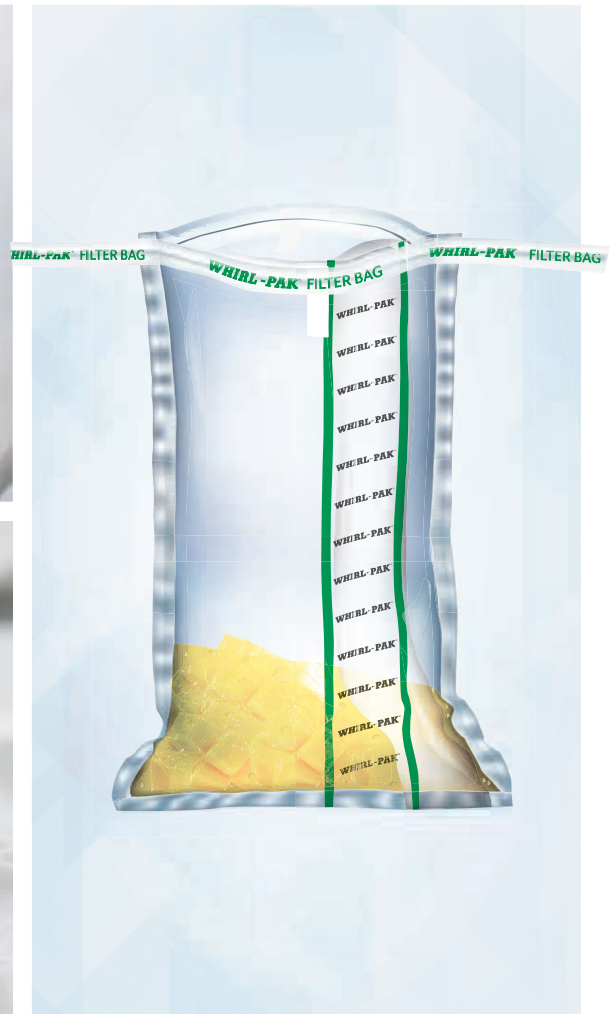


Non-filtered

Filtered samples won't clog your pipette, and allow for clean plating so that you can count colonies instead of debris.

CAT. NO.	CAPACITY		SIZE		THICKNESS	BAGS/BOX
	OZ.	ML	IN.	CM	MILS	
B01385WA (FILTER)	7 oz.	207 ml	3¾" W x 7" L	9.5 x 18 cm	3 mils	250
B01348WA (FILTER)	24 oz.	710 ml	6" W x 9" L	15 x 23 cm	4 mils	250
B01547WA (FILTER, NO CLOSURE)	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	4 mils	250
B01318WA (FILTER)	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	4 mils	250
B01416WA (FILTER)	69 oz.	2,041 ml	7½" W x 15" L	19 x 38 cm	4 mils	250
B01488WA (FILTER)	92 oz.	2,721 ml	10" W x 15" L	25.4 x 38 cm	4 mils	100
B01525WA (FILTER)	138 oz.	4,080 ml	15" W x 15" L	37.5 x 37.5 cm	4 mils	100

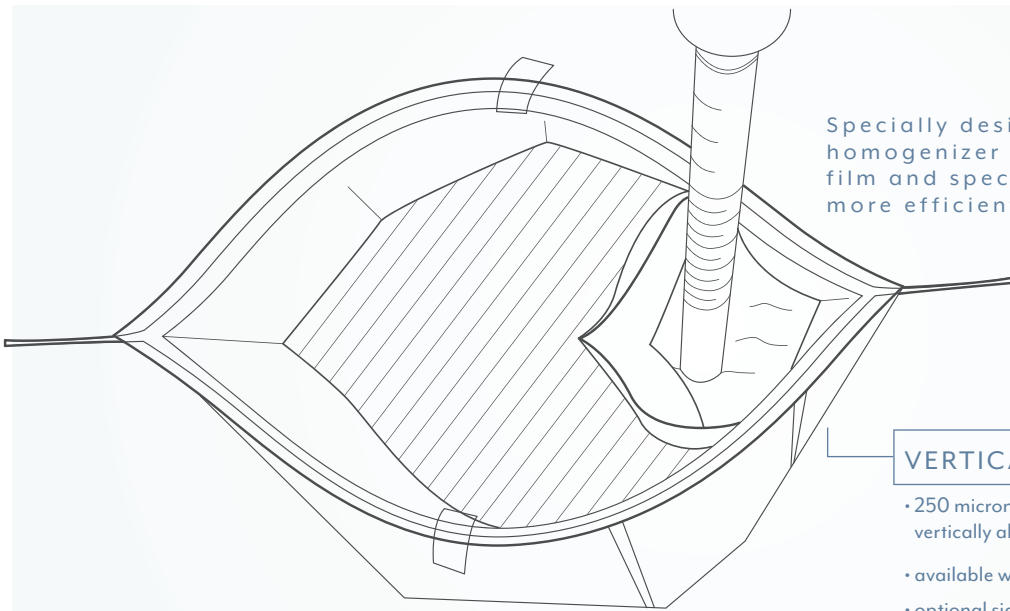
VERTICAL FILTER BAGS



Better blending and pipetting with our vertical, nonwoven filter bags

▀ Bags use a special laminated PET film for durability and a vertical nonwoven filter to separate solids for easy pipetting of the liquid sample. Available with or without a closure, each bag contains a 250 micron polyester filter adhered vertically along the side of the bag.

Specially designed for use with homogenizer blenders. Extra-heavy PET film and special features for easier and more efficient testing.

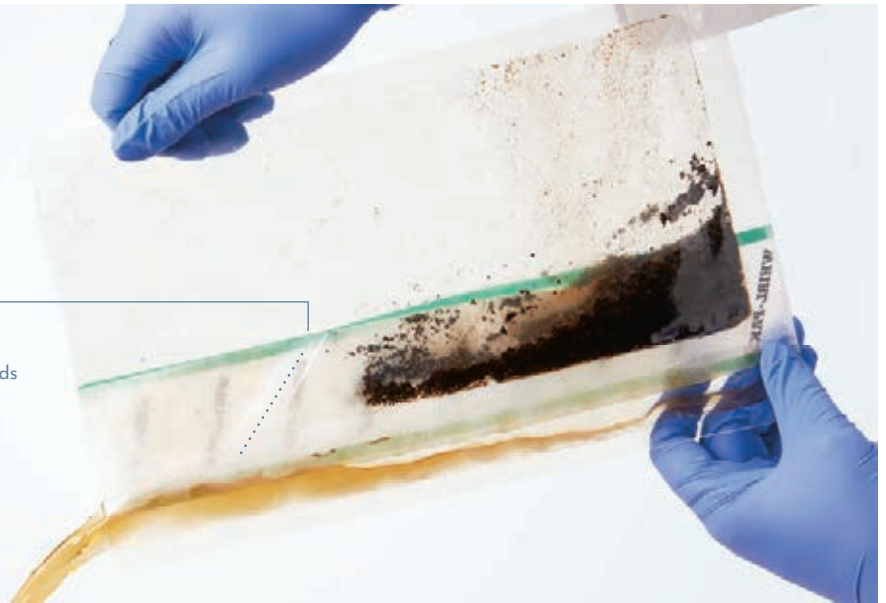


VERTICAL POLYESTER FILTER

- 250 micron polyester filter adhered vertically along one side
- available with or without closure
- optional side seal for convenient pouring

EASY-POUR SIDE SEAL INDICATED BY DOTTED LINES

- allows for simple liquid pour without emptying solids



	CAT. NO.	CAPACITY		SIZE		THICKNESS	BAGS/BOX
		OZ.	ML	IN.	CM		
NO CLOSURE	B01582WA (FILTER)	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	3 mils	250
	B01583WA (Filter & Side Seal)	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	3 mils	250
	B01584WA (Filter)	69 oz.	2,041 ml	7½" W x 15" L	19 x 38 cm	3 mils	250
	B01585WA (Filter)	92 oz.	2,721 ml	10" W x 15" L	25.4 x 38 cm	3 mils	100
WITH CLOSURE	B01586WA (Filter)	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	3 mils	250
	B01587WA (Filter, Side Seal)	55 oz.	1,627 ml	7½" W x 12" L	19 x 30 cm	3 mils	250
	B01588WA (Filter)	69 oz.	2,041 ml	7½" W x 15" L	19 x 38 cm	3 mils	250
	B01589WA (Filter)	92 oz.	2,721 ml	10" W x 15" L	25.4 x 38 cm	3 mils	100

SAMPLING COLLECTION TOOLS



Collection Tools

A variety of specially designed tools and accessories to make sample collection in any industry easy and accurate.



NASCO SLUDGE NABBER

Make sample collection of liquids fast and easy. Adjustable aluminum pole that extends from 4 to 6½ feet (1.22 to 1.99 m). Bottles of various sizes (250 ml to 1,000 ml) can be placed on a polyurethane base and held in place by an adjustable, plastic locking ring. Sanitize only. Do not autoclave. Unit comes with one 500 ml polyethylene bottle. See accessories on page 25. One-year warranty.

B01229WA



B01310WA

B01456WA

NASCO SWING SAMPLER

- The end of the sampler swings 90°.
- Telescoping fiberglass pole extends to various lengths.
- Unit comes with a 960 ml polyethylene bottle and the cover has a vinyl liner for leak-proof protection. Bottles of various sizes (250 ml to 1,000 ml) can be placed on a polyurethane base and held in place by an adjustable, plastic locking ring. Sanitize only. Do not autoclave. One-year warranty.

6'-12'. (1.83 m-3.66 m) Swing Sampler.

B01310WA

8'-24'. (2.44 m-7.32 m) Swing Sampler.

B01366WA

REPLACEMENT PARTS

6'-12'. Pole Plastic Grip.

B01529WA

6'-12'. Pole Lock Replacement.

For use with B01310WA and B01367WA.

B01456WA

8'-24'. Pole Lock Replacement. For use with B01366WA.

B01527WA

Replacement Threaded Tip. For use with 6-ft. and 8-ft. poles.

B01531WA

Bottle Holder.

B01354WA

Wide-Mouth Bottles. Made from a food-grade, high-density polyethylene. They are recyclable, but not sterile or autoclavable. The plastic caps have a vinyl liner to ensure a tight fit.

B01243WA 500 ml bottle. Pkg. of 12.

B01244WA 960 ml bottle. Pkg. of 12.

Snapper Attachments. Durable plastic locking rings hold sample bottle securely.

Small Snapper. Holds 500 ml bottle.

B01219WA

Large Snapper. Holds 960 ml bottle.

B01220WA



B01367WA

NASCO SAMPLING POLE/LINE FOR WHIRL-PAK® BAGS

Specially designed to hold any size bag, the holder uses a retainer ring to secure the bag firmly in place. Even in a fast flowing stream, the bag will not come loose. The adjustable fiberglass pole extends from 6 to 12 ft. (1.82 to 3.66 m), has a swinging end, and comes with three sizes of retainer rings to hold the bag. Sanitize with a bleach and water mixture. Cannot be autoclaved.

B01367WA

Replacement Bag Holder and Retainer Rings.

For use with Sampling Pole B01367WA.

B01380WA

Nasco Sampling Line for Whirl-Pak® Bags.

Nylon sampling line 25 ft. (7.62 m) with bag holder (see description above).

B01368WA

NASCO SLUDGE JUDGE



Open



Closed

THE SLUDGE JUDGE®

- Designed to take accurate readings of **settleeable solids of 5% or less** in a variety of liquids to any depth
- Ideal for anywhere that accurate sample levels of settleable solids in noncaustic materials are needed
- Comes in three 5-ft. (1.53 m) sections with screw-type connectors
- Top section includes a nylon rope for raising and lowering the sampler
- Individual sections can be combined as required
- 1-ft. (.31 m) markers on the tubing help identify the amount of sludge in the tank
- Float valve for easy sample collection and release
- Not autoclavable
- **Do not use to sample ethanol or ethanol-blended motor fuel (see Nasco Fuel Sampler [B01477WA])**
- 1-year warranty
- Holds approximately 3 oz. per foot (89 ml per 0.31 m)
- 1" (2.54 cm) outside diameter clear plastic butyrate tubing
- Do not use in liquids over 165° F (74° C)
- Includes top section, extension section and bottom section

C09247WA 15-ft. (4.60 m) Sludge Judge Complete Unit.

The Sludge Judge® Replacement Parts

C09252WA 5-ft. (1.53 m) Top Section with Rope.

C09251WA 5-ft. (1.53 m) Extension Section.

C09250WA 5-ft. (1.53 m) Bottom Section with Valve.

C14516WA Optional 2½-ft. (0.80 m) Top Section with Rope.



THE SLUDGE JUDGE® ULTRA — SUPER STRONG

- For maximum strength and rigidity
- Constructed of extremely strong polycarbonate
- Treated with an ultraviolet stabilizer to help reduce deterioration from the sun's harmful rays
- Rigid materials minimize bending of the unit when full of water or other liquids
- Durable in cold temperatures; can withstand heat up to 280° F (138° C) with careful handling
- 1" (2.54 cm) outside diameter tubing is marked with blue tape to designate the 1-ft. measurements
- Float valve for easy sample collection and release

B01386WA Sludge Judge® Ultra Complete Unit.

B01387WA 5-ft. (1.53 m) Top Section with Rope.

B01388WA 5-ft. (1.53 m) Extension Section.

B01389WA 5-ft. (1.53 m) Bottom Section with Valve.



THE SLUDGE JUDGE® II – LARGE CAPACITY

- 1¼" (3.18 cm) outside diameter clear plastic butyrate tubing is very rigid when assembled
- Holds 6 oz. per foot (178 ml per .31 m)
- Float valve for easy sample collection and release
- Do not use in liquids over 165° F (74° C)

B01355WA Sludge Judge® II Complete Unit.

B01358WA 5-ft. (1.53 m) Top Section with Rope.

B01357WA 5-ft. (1.53 m) Extension Section.

B01356WA 5-ft. (1.53 m) Bottom Section with Valve.

accessories



A. CARRY BAG FOR SAMPLER

Holds four 5-ft. (1.52 m) sections of any Sludge Judge® product. Made of cotton canvas.

C09249WA

B. CLEANING BRUSHES

The cleaning brush used with a mild detergent and warm water will help break up these materials and keep the unit clear so accurate sludge readings can be taken. It is made of galvanized steel wire and polyester bristles. Disassemble the unit and clean each section separately.

Cleaning Brush for Use for Sludge Judge® and Sludge Judge® Ultra. 6 ft. (1.83 m) L. 1" (2.54 cm) dia. bristle.

B01291WA

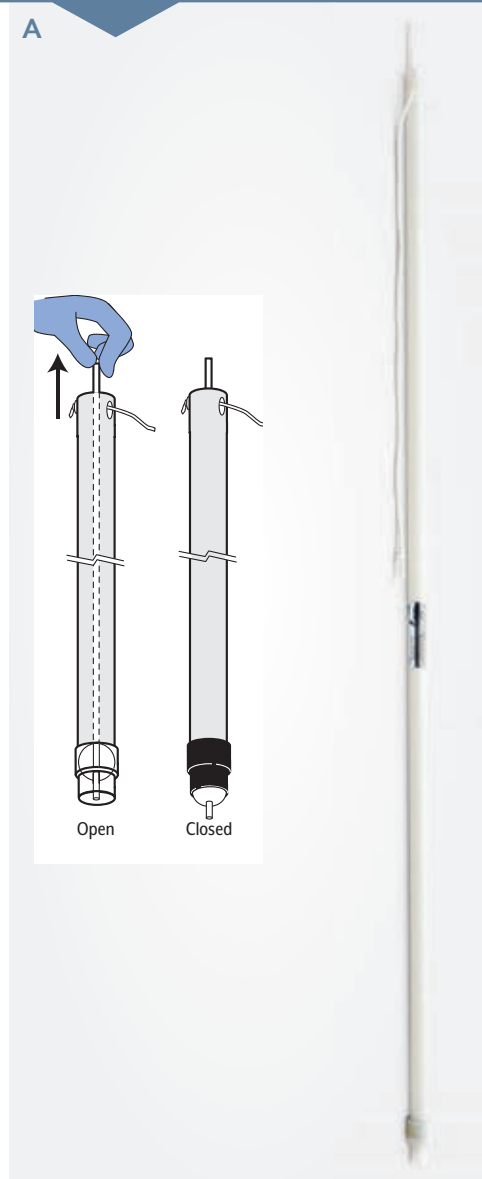
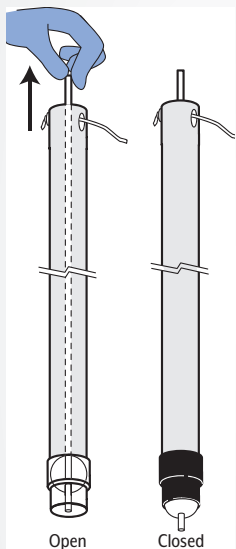
Cleaning Brush for The Sludge Judge® II.

6 ft. (1.83 m) L. 1½" (3.81 cm) dia. bristle.

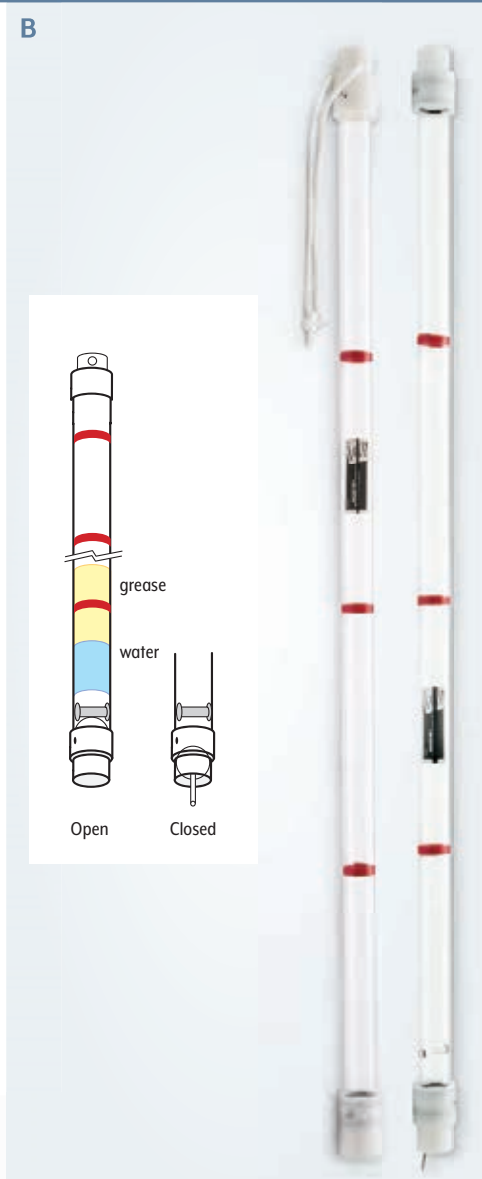
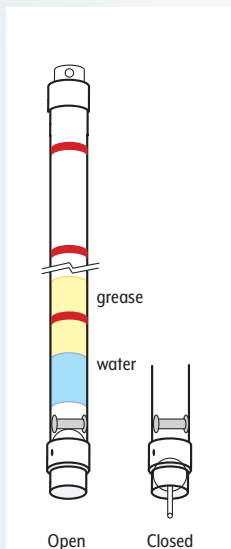
B01361WA

NASCO COLLECTION TOOLS

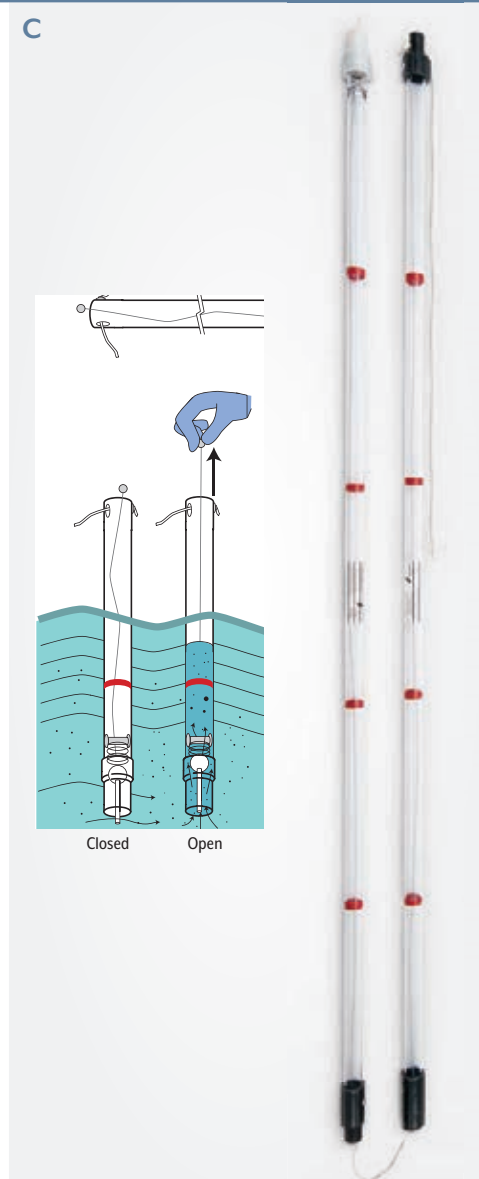
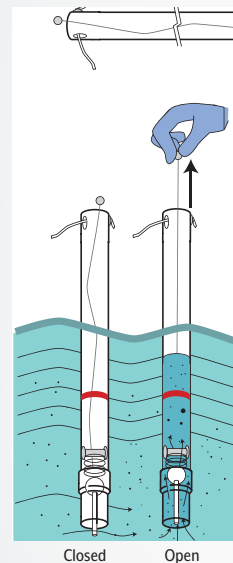
A



B



C



A. NASCO COLIWASA-COMPOSITE LIQUID WASTE SAMPLER

Nasco's COLIWASA permits representative sampling of multiphase wastes for a wide range of viscosity, corrosivity, volatility, and solids content. The unit can be used to sample most containerized liquid wastes, except those containing ketones, nitrobenzene, dimethylformamide, mesityl oxide, and tetrahydrofuran. Its simple design is easy to use, and allows the rapid collection of samples, minimizing the exposure of the sample collector to potential hazards from the wastes. Manufactured of high-density polyethylene (HDPE) and designed to EPA standards, the COLIWASA consists of a 5 ft. x $\frac{3}{4}$ " (1.53 m x 1.9 cm) ID tube and closing valve. Sampler holds approximately 3 oz. per foot (89 ml per .31 m). Not autoclavable.

B01098WA

B. NASCO GREASE TRAP SAMPLER

For measuring the grease level in a holding tank, the grease trap sampler is designed for sampling liquid grease and oils. Does not work with solid or semi-hardened materials. The inside diameter measures $1\frac{3}{8}$ " (3.5 cm) allowing small food particles to easily pass through the valve opening during sample collection. The clear tubing is easy to see through and the 1 ft. (0.31 m) red markers show the amount of grease accumulated in the tank. To use, slowly lower the sampler to the bottom of the tank — the valve opens and the liquid fills the tube. Lift the sampler up which closes the valve, holding the sample inside, showing the grease level. To empty, touch the plastic tip on a hard surface, and the liquid will flow out. The unit is made of two 4-ft. (1.22 m) sections that screw together. An extension is available to make the unit longer.

B01322WA Nasco Grease Trap Sampler Complete Unit.

B01479WA Top Section Only.

B01349WA 4-ft. (1.22 m) Extension Section.

B01480WA Bottom Section Only.

C. NASCO TANK SAMPLER — SPECIFIC DEPTH SAMPLING

Taking a sample at a specific depth is easy with Nasco's Tank Sampler. Available as a 10-ft. (3.05 m) unit, it is made up of two 5-ft. (1.53 m) sections that screw together. An extension section is available to make the unit longer. The sampler is made of a tough, $\frac{3}{4}$ " (1.9 cm) diameter, special plastic pipe. Sampler holds approximately 3 oz. per foot (89 ml per 30.50 cm).

B01096WA

Extension Section. 5-ft. (1.53 m) extension for the Tank Sampler. Comes with a length of stainless steel wire. To extend the unit, remove rope, untie the original wires, add the new wire between the two, and slide the wire through all the sections. NOTE: Because of flexibility of the plastic, longer units are subject to more bending when filled with liquid.

B01097WA

D



E



D. NASCO FUEL SAMPLER

For sampling ethanol and ethanol-blended motor fuels, the Nasco Fuel Sampler is efficient and easy to use. It is made up of three 5-ft. (1.53 m) sections of clear PVC that screw together to make a 15-ft. (4.60 m) length. As the sampler is lowered into the fuel tank, the float valve at the bottom opens, allowing the fuel up into the tube. When the bottom of the tank is reached, simply raise the sampler up to close the valve and hold the sample inside, showing a core section of the fuel. To empty, press the tip of the valve against the side of the tank and the contents will flow out. Clean the sampler with mild soapy water using the Nasco Cleaning Brush (B01291WA).

B01477WA

E. NASCO 6 FOOT FUEL SAMPLER WITH END CAP

Ideal for taking fuel samples from 38"-64" dia. tanks. The sampler is made of one 6-ft. (1.83 m) piece of clear PVC with an end cap. This sampler is the perfect size for tank sampling, and the end cap allows for either a core sample or bottom sample. Insert the sampler to the bottom of the tank, add the cap, and pull a core sample; or add the cap first, then insert and remove cap for a bottom sample.

B01555WA

F

G



F. CARRY BAG FOR SAMPLER

Holds four 5-ft. (1.52 m) sections of any Nasco sampler product. Made of cotton canvas.

C09249WA

G. CLEANING BRUSHES

The cleaning brush used with a mild detergent and warm water will keep the unit clear so accurate readings can be taken. It is made of galvanized steel wire and polyester bristles. Disassemble the unit and clean each section separately.

6 ft. (1.83 m) L. 1" (2.54 cm) dia. bristle.

B01291WA

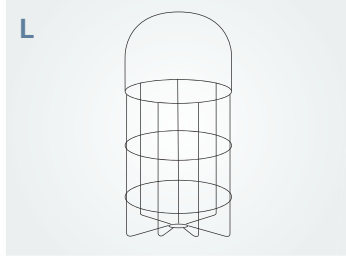
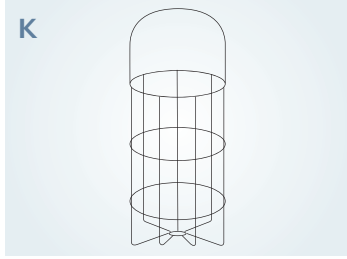
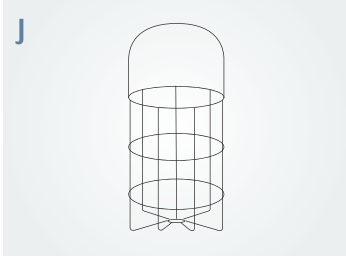
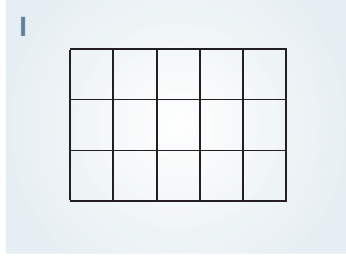
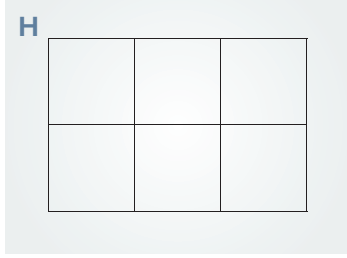
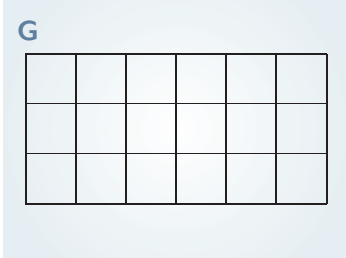
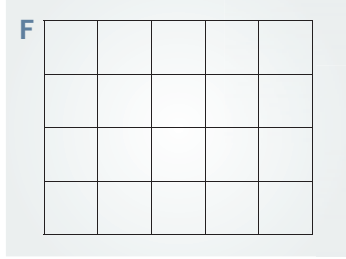
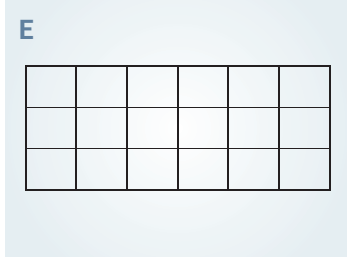
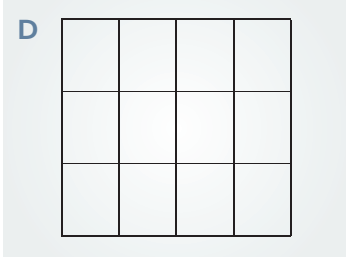
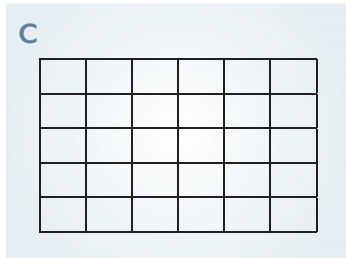
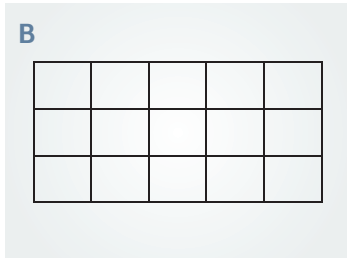
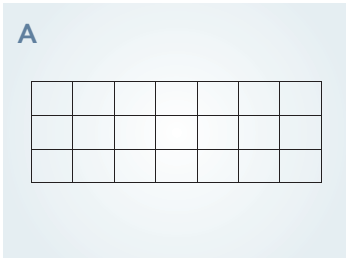
6 ft. (1.83 m) L. 1½" (3.81 cm) dia. bristle.

B01361WA

WHIRL-PAK® RACKS



▀ Specially designed to hold various sizes of Whirl-Pak® bags. Made in the U.S.A. of 10- and 12-gauge steel fused together to create strong joints and straight lines. Racks are finished with an electrostatically applied powder coating. The result is a strong, durable finish which will stand up to many laboratory materials, and racks that can be autoclaved. Max dry temperature is 300° F (148° C) and wet temperature is 500° F (260° C). The B01048WA rack can also be used for plate incubation by turning it on one side.



Racks E and I fit Playmate® Coolers



RACK HANDLE

Universal rack handle fits all sizes of racks, making it easy to carry a full rack in one hand. Lightweight, strong, and comfortable to hold. Attaches and detaches easily and quickly, so it never gets in the way. Designed to prevent rack from tipping while it's carried. Overall length: 18" (45.7 cm).

B01309WA

RACK CAT. NO.	RACK SIZE		COMPARTMENTS	COMPARTMENT SIZE	
	IN.	CM		IN.	CM
A. B00677WA*	6½" x 12½" x 3"	16.5 x 31.8 x 7.6	21	1½" x 2"	4 x 5
B. B00678WA*	6½" x 9" x 3"	16.5 x 23 x 7.6	15	1½" x 2"	4 x 5
C. B00750WA	9¾" x 10⅝" x 3"	24.8 x 27 x 7.6	30	1½" x 2"	3.8 x 5
D. B00751WA	10" x 10" x 3½"	25.4 x 25.4 x 9	12	3" x 2⅞"	7.6 x 6
E. B00772WA* Fits regular-size Playmate® Cooler	6½" x 10¾" x 3"	16.5 x 27.3 x 7.6	18	1½" x 2"	4 x 5
F. B01014WA	13¾" x 10⅞" x 4"	34 x 27 x 10.2	20	2½" x 2½"	6.4 x 6.4
G. B01023WA	6½" x 12¼" x 3"	16.5 x 32.4 x 7.6	18	2" x 2"	5 x 5
H. B01048WA	13¾" x 9¼" x 4½"	35 x 23.5 x 11.4	6	4½" x 4½"	11.4 x 11.4
I. B01109WA Fits little Playmate® Cooler	8¼" x 6" x 3¼"	21 x 15.2 x 8.3	15	1¾" x 1½"	4.4 x 3.8
J. B01533WA With handle	7" dia. x 10" H	17.8 dia. x 25.4 H	1	7" dia. x 10" H	17.8 dia. x 25.4 H
K. B01534WA With handle	7" dia. x 12" H	17.8 dia. x 30 H	1	7" dia. x 12" H	17.8 dia. x 30 H
L. B01535WA With handle	9" dia. x 12" H	23 dia. x 30 H	1	9" dia. x 12" H	23 dia. x 30 H

* Indicates compatible with Nasco Sample Ice Chest (C06115WA), see page 32 for chest.

SPECIALITY ACCESSORIES



WHIRL-PAK® TRANS-PAK® SPECIMEN BAG (NON STERILE)

Outside pouch keeps important paperwork dry, clean, and separate from the sample. Trans-Pak® also features the Biohazard symbol required by OSHA (Occupational Safety and Health Administration). Bag measures 6" W x 9" L (15 x 23 cm). 24 oz. (710 ml). Box of 500. Pouch measures 5 3/8" W x 5 3/4" L (13.7 x 14.6 cm).

B01253WA



SECURITY TAPE STRIPS

Make Trans-Pak® specimen bags and other containers tamperproof with this unique security label. Provides immediate evidence of tampering. Made of a destructible material with a permanent adhesive back that tears when removal is attempted — it's impossible to remove this label in one piece. Set up time for tape is approximately 2 1/2 hours. Label size: 1 3/8" W x 6 5/8" L (3.4 x 16.6 cm). Pkg. of 100 labels.

B01240WA



NASCO SAMPLE ICE CHEST

Designed specifically for temperature control and proper protection of samples.

Features:

- Outside and inside walls made of extremely durable, ABS plastic
- Polyurethane foam insulation in walls and lid
- Recessed carrying grips
- Auxiliary ice storage compartment to keep samples cool
- Dimensions with lid:
16" L x 14 3/4" W x 9 1/2" H (40.6 x 37.5 x 24.1 cm)
- Inside dimensions: 12 1/4" L x 13 3/8" W x 7" H (31.12 x 35.3 x 17.8 cm)
- Color: green

C06115WA Ice Chest with Lid.

C06115(A)WA Lid only.

Nasco Racks for Ice Chest. These racks hold 4-oz. (118 ml) bags and fit into the Nasco Sample Ice Chest above (C06115WA). See rack dimensions on page 31.

B00678WA 15-Compartment Rack.

B00772WA 18-Compartment Rack.

B00677WA 21-Compartment Rack.



IMPULSE BAG SEALER

For a permanent seal on a Whirl-Pak® Bag, this tabletop thermal impulse sealer provides a quick, efficient means for sealing any type of thermoplastic film. Provides air- and watertight seals. Maximum seal size is 8" (20 cm). 110V, 260 watts. **220V available through special order.**

B01311WA

Heat Strip Replacement Kit.

Heat strip replacement kit for bag sealer, above. Kit includes two upper hook-and-loop strips, one lower hook-and-loop strip, and two element wires.

B01444WA

A. STERILEWARE® STERILIZED MINI-TONGS

This sterile, compact tool will pick up a variety of samples preventing contamination in the process. The ridged inside surface assures a secure grip. Individually packaged to protect sterility. Made of polystyrene. Box of 25, 4¼" (10.8 cm) L.

B01409WA

B. STERILEWARE® STERILIZED SPOON

Designed to gather small amounts of sample material. The long handle permits easy reaching into confined areas and keeps hands away from the sample. Made of polystyrene. Spoon is 7" (17.8 cm) long. Individually packed in a polyethylene bag and sterilized. 1 tbsp. (14.17 ml) capacity. Case of 200 spoons.

B01306WA

C. STERILEWARE® STERILIZED SAMPLING SPOON

For sampling semi-solids, viscous liquids, or bulk materials, this large, sterile, polystyrene spoon is strong and easy to handle. It has a bowl size of 0.85 oz. (25 ml) and is 10" (25.4 cm) long. Individually packaged to protect sterility. Box of 25.

B01408WA

D. STERILEWARE® STERILIZED SCOOPS

One-piece molded polystyrene scoops with extra-long handles have the perfect shape for rapid sampling. Rounded contours prevent material retention. Case of 100, individually wrapped.

B01159WA 8" (20.3 cm) Scoop.

2-oz. (60 ml) capacity.

B01160WA 8⅞" (22.1 cm) Scoop.

4-oz. (125 ml) capacity.

B01161WA 8½" (21.6 cm) Scoop.

8-oz. (250 ml) capacity.

E. STERILEWARE® STERILIZED SENSE-ABLE™ DETECTABLE SCOOPS

These scoops can be detected by standard metal detection and x-ray equipment. Long handles on the 2 oz. and 4 oz. sizes provide a better grip and increase the distance between hand and sample to reduce potential contamination. FDA grade, high-impact polystyrene is suitable for use in food processing and pharmaceutical industries. Scoops come individually sealed in polyethylene bag and gamma sterilized — ready for one-time use and disposal. Box of 100 scoops.

B01512WA 2 oz. (60 ml).

B01513WA 4 oz. (125 ml).

B01514WA 8 oz. (250 ml).

F. STAINLESS STEEL SCOOP

This stainless steel scoop has a capacity of 5 oz. (148 ml). Perfect for sampling powder, soil, gravel, and other materials. Scoop is 2½" W x 9" L (6.4 x 23 cm). Pack of 12.

B01344WA

G. STERILIZED PLASTIC SCOOPS, EXTRA LARGE

Each scoop has been carefully washed to EPA protocol B for environmental application, then dried, individually sealed in a poly bag, and sterilized by gamma radiation for food, pharmaceutical, and other applications.

B01459WA 16-oz. (472 ml) Polyethylene Scoop.

Round bottom. Pack of 50 scoops.

B01460WA 32-oz. (946 ml) Polystyrene Scoop.

Flat bottom. Pack of 25 scoops.

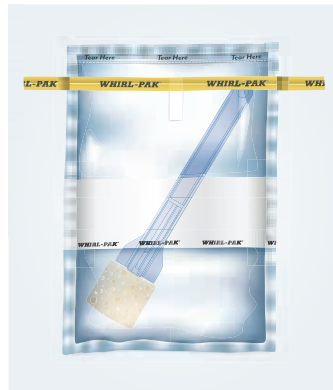
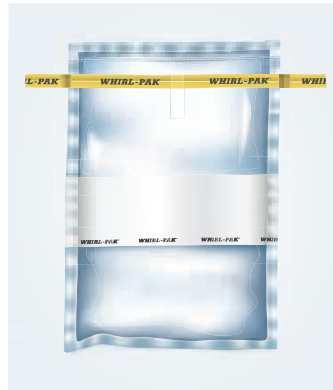
B01461WA 82-oz. (2,425 ml) Polystyrene Scoop.

Flat bottom. Pack of 24 scoops.



SAMPLE REQUEST

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