

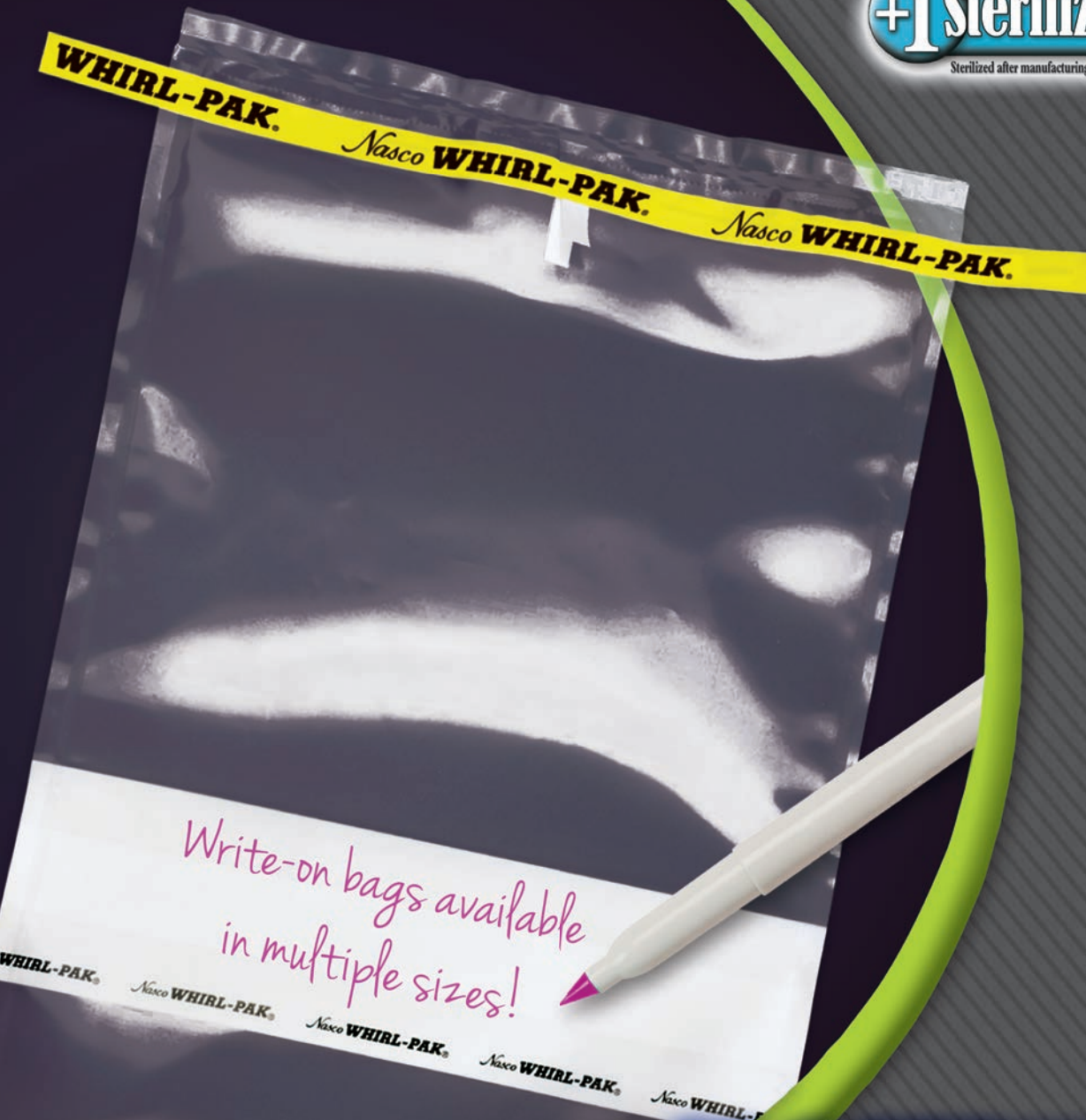
2013-2014 Catalogue



WHIRL-PAK®

+1 Sterilization®
Sterilized after manufacturing • Documentation available

Food
Water
Dairy
Environmental
Microbiology
Pharmaceutical
Clinical
Forensics
Veterinary
Nuclear
Cosmetic
Chemical
Entomology
Marine Life
Animal Nutrition
Climate Stability
Pollution
Infant Health
Nutraceuticals
Liquids
Solids
Powders
Animal Reproduction



SPECTRUM *Nasco* Dedicated to Delivery
Laboratory Sampling Products

web: whirlpak.spectrum-nasco.ca

Featured Products

BO1545WA



BO1546WA



New! Whirl-Pak® Detectable Bags

Steel wire used for bag closure is detectable with standard metal detection equipment. Protect your product and maintain quality with these sampling bags.

18-oz. Bag. 18 oz. (532 ml). 4½" W x 9" L (11.5 x 23 cm). 2.5 mils (.064 mm) thick. Box of 500. Sh. wt. 5 lbs. (2.27 kg).

BO1545WA

42-oz. Bag. 42 oz. (1,242 ml). 6" W x 15" L (15 x 38 cm). 3 mils (.076 mm) thick. Box of 500. Sh. wt. 12.5 lbs. (5.67 kg).

BO1546WA



New! Filter Bag without Tape and Wire

Filter blender bag without closure. 55 oz. (1,627 ml). 7½" W x 12" L (19 x 30 cm). 4 mils (.102 mm) thick. Box of 250. Sh. wt. 9 lbs. (4.08 kg).

BO1547WA



Whirl-Pak® Large Bag

Large-size bag that can be used in a homogenizer blender and for other applications. 138 oz. (4,080 ml). 15" W x 15" L (37.5 x 37.5 cm). 4 mils (.102 mm) thick. Box of 100. Sh. wt. 9.50 lbs. (4.3 kg).

BO1541WA

Whirl-Pak® Large Stand-Up Bag

Large-size Stand-Up bag that can be used for mixing media for *Salmonella* testing and for other applications. 138 oz. (4,080 ml). 15" W x 15" L (37.5 x 37.5 cm). 4 mils (.102 mm) thick. Box of 100. Sh. wt. 10 lbs. (4.5 kg).

BO1542WA



Whirl-Pak® Filter Bag

New size: 15" W x 15" L (38 x 38 cm). Approx. capacity: 138 oz. (4,080 ml). See pages 6, 8, and 9 for more information.

BO1525WA

New! Whirl-Pak® 1-Ply Composite Tissue Bag
Includes a 1-ply composite tissue in bottom compartment. To use, tear off the bottom compartment, hydrate tissue with neutralizing buffer, remove using a glove, and collect surface sample. After collection, place tissue inside top Whirl-Pak® bag, seal, and return to lab. This is an effective, low-cost alternative to other surface sampling methods. Multiple tissues can be composited in the same sample bag to further reduce costs. 18-oz. (532 ml) bag. 4" W x 9" L (11.5 x 23 cm). 2.5 mils (.064 mm) thick. Box of 100. Sh. wt. 3 lbs. (1.36 kg).

BO1548WA



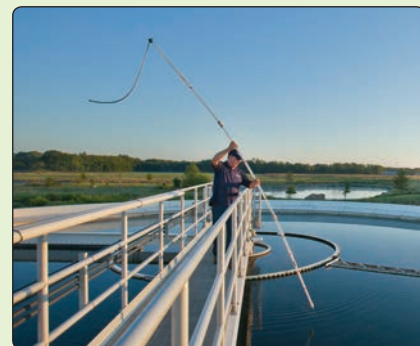
Box of 500 Whirl-Pak® bags versus 500 beakers, see page 11.



Testing water in Kenya using a Whirl-Pak® Stand-Up Bag, see page 11.



Testing wastewater at Bad Axe, MI using the Nasco Sludge Nabber, see page 30.



Measuring sludge level at El Dorado, KS with Nasco Sludge Judge® II, see page 27.



Phone 1-800-668-0600



Fax 1-800-668-0602



**150 Pony Drive
Newmarket, ON
Canada
L3Y 7B6**



**SHOP ONLINE
whirlpak.spectrum-nasco.ca**

Development of Whirl-Pak® Bags

Developed over 50 years ago and made in the U.S.A., Whirl-Pak® bags were the first sterile sample bags on the market. They were designed to provide milk haulers with a container for collecting samples of bulk produced milk. Whirl-Pak® bags made possible the “universal sample system,” which means that a single sample can be used for all tests required for quality control, product content, and legal compliance. Whirl-Pak® sample bags are a co-extrusion of low-density and linear low-density, virgin polyethylene, giving the bags two important characteristics:

- **Exceptionally clear film — easy to see through**
- **Superior strength — unbreakable sample container**

They may be used for taking samples of liquids, semi-solids, or solids. Whirl-Pak® bags are patented under Patent No. 2,973,131 and other patents pending. The film thickness varies from 2.25 mils (0.057 mm) to 4.0 mils (0.102 mm), depending on size and style. Because of the high-quality blended polyethylene, a high mil thickness is not required to achieve optimum strength.

“Puncture-Proof Tabs”

All Whirl-Pak® bags feature “PUNCTURE-PROOF TABS.” This patented process extends the tape on the tab past the aluminum wire ends eliminating the sharp points which could puncture the bags, scratch a person’s hands, or puncture gloves. This important product feature is found only on Whirl-Pak®, making it easier and safer to use than any other laboratory sample bag! The “PUNCTURE-PROOF TABS” process is patented under No. 5,180,229.



Guaranteed Sterile

- **Only Whirl-Pak® bags carry this important feature. +1 Sterilization** is the process of sterilizing sealed cartons of Whirl-Pak® bags **after manufacturing** using **ethylene oxide gas** at an independent ISO-certified facility. This process saves valuable preparation time and eliminates concern about sample integrity. To ensure the bags are sterile, a **Parametric Release Process** is used to confirm that all processing parameters are met and maintained throughout the sterilization cycle. The bags are shipped free from human contact in a secure liner bag inside the sealed carton. Lot numbers on every carton provide traceability of official sterility documentation, which is available at whirl-pak.com or from Nasco.



- **Whirl-Pak® bags are not autoclavable.**
- **Look for the Whirl-Pak® Name.** Each and every bag is clearly marked with “Whirl-Pak®” on the bag. If it doesn’t say Whirl-Pak®, it’s not our patented sterilized bag.
- **If You Have to Go to Court** — For your peace of mind, (as well as following good laboratory practices), should you be challenged in court, always use Whirl-Pak® bags.

Whirl-Pak® Bags are manufactured under a quality management system certified to ISO9001, except B01299WA, B01350WA, B01392WA, B01422WA, B01423WA, B01475WA, and B01478WA which require an additional processing step done outside of regular production.



- **Standard Methods Says** — Standard Methods (18th edition, 1992, section 9060A, sample containers) states “For some applications, samples may be collected in **pre-sterilized** plastic bags.” Whirl-Pak® bags meet this description.



Reduced Storage Space

- Whirl-Pak® bags save 90% more space than other types of containers
- Valuable space savings in the lab, vehicle, warehouse, etc.
- Significant savings on shipping costs
- Easy disposal after use

Easy Identification

- A felt-tip marker can be used to write on the plain bags (see page 19)
- Regular pens or pencils can be used on the special write-on surface (see page 19)
- Positive ID eliminates confusion and mistakes during testing and analysis procedures

Leakproof Closure

By whirling or tightly folding the tab over three times, the Whirl-Pak® bag becomes a leakproof container (see page 19), which:

- Eliminates the loss of a valuable sample
- Prevents impurities from entering the bag and contaminating the sample

Go to Whirl-Pak.com for more Whirl-Pak® technical information covering various topics.

Importance of Sample Collection

Proper sampling procedures are of vital importance. Laboratory findings are completely dependent on the quality of the sample collected. It is imperative that each sample be representative of the lot from which it came, and that it arrives at the laboratory in the same condition it was in at the collection point. There should be no change in chemical, physical, or biological character. To show the excellent qualities of these bags, a free trial pack is included inside the back cover of this catalog. You will enjoy the ease with which you can use the bag, and be amazed by the strength of it as well. Most important, see for yourself the money-saving advantages of Nasco’s Whirl-Pak® sample bags.





1 mil = 1/1,000" (.025 mm)



FDA Approval

Resins used in the extrusion of film for all Whirl-Pak® bags are FDA approved for food contact. Bags are manufactured in accordance with the requirements for manufacturers of single service containers for milk and milk products, as specified by the Food & Drug Administration.





Capacity is measured in fluid ounces 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.

UL-PAK WHIRL-PAK WHIRL-PAK WHIRL-PAK WHIRL-PAK

WHIRL-PAK WHIRL-PAK WHIRL-PAK WHIRL-PAK WHIRL-PAK

UL-PAK WHIRL-PAK WHIRL-PAK WHIRL-PAK WHIRL-PAK

WHIRL-PAK WHIRL-PAK WHIRL-PAK WHIRL-PAK WHIRL-PAK

25.

26.

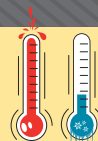
27.

28.

Cat. No.	Style	Capacity	Size	Thickness	Bags/Box
1. B01067WA	Write-On	1 oz. (29 ml)	2½" W x 5" L (6.5 x 12.5 cm)	2.25 mils (.057 mm)	500
2. B01009WA	Standard	2 oz. (58 ml)	3" W x 5" L (7.5 x 12.5 cm)	2.25 mils (.057 mm)	500
3. B01064WA	Write-On	2 oz. (58 ml)	3" W x 5" L (7.5 x 12.5 cm)	2.25 mils (.057 mm)	500
4. B00679WA	Standard	4 oz. (118 ml)	3" W x 7¼" L (7.5 x 18.5 cm)	2.25 mils (.057 mm)	500
5. B01062WA	Write-On	4 oz. (118 ml)	3" W x 7¼" L (7.5 x 18.5 cm)	2.25 mils (.057 mm)	500
6. B00992WA	Standard	7 oz. (207 ml)	3¾" W x 7" L (9.5 x 18 cm)	3 mils (.076 mm)	500
7. B01489WA	Write-On	7 oz. (207 ml)	3¾" W x 7" L (9.5 x 18 cm)	2.5 mils (.064 mm)	500
8. B01018WA	Standard	13 oz. (384 ml)	5¼" W x 7½" L (13 x 19 cm)	3 mils (.076 mm)	500
9. B01490WA	Write-On	13 oz. (384 ml)	5¼" W x 7½" L (13 x 19 cm)	2.5 mils (.064 mm)	500
10. B00736WA	Standard	18 oz. (532 ml)	4½" W x 9" L (11.5 x 23 cm)	2.5 mils (.064 mm)	500
11. B01065WA	Write-On	18 oz. (532 ml)	4½" W x 9" L (11.5 x 23 cm)	2.5 mils (.064 mm)	500
12. B01255WA	Standard w/pocket for paperwork	24 oz. (710 ml)	6" W x 9" L (15 x 23 cm)	2.5 mils (.064 mm)	500
13. B01020WA	Standard	24 oz. (710 ml)	6" W x 9" L (15 x 23 cm)	3 mils (.076 mm)	500
14. B01297WA	Write-On	24 oz. (710 ml)	6" W x 9" L (15 x 23 cm)	3 mils (.076 mm)	500
15. B01063WA	Standard	24 oz. (710 ml)	6" W x 9" L (15 x 23 cm)	4 mils (.102 mm)	500
16. B01196WA	Write-On	24 oz. (710 ml)	6" W x 9" L (15 x 23 cm)	4 mils (.102 mm)	500
17. B00990WA	Standard	27 oz. (798 ml)	5" W x 12" L (12.5 x 30.5 cm)	3 mils (.076 mm)	500
18. B01491WA	Write-On	27 oz. (798 ml)	5" W x 12" L (12.5 x 30.5 cm)	3 mils (.076 mm)	500
19. B00994WA	Standard	36 oz. (1,065 ml)	5" W x 15" L (12.5 x 38 cm)	3 mils (.076 mm)	500
20. B01027WA	Standard	42 oz. (1,242 ml)	6" W x 15" L (15 x 38 cm)	3 mils (.076 mm)	500
21. B01532WA	Standard	55 oz. (1,627 ml)	7½" W x 12" L (19 x 30 cm)	3 mils (.076 mm)	500
22. B01195WA	Write-On	55 oz. (1,627 ml)	7½" W x 12" L (19 x 30 cm)	4 mils (.102 mm)	500
23. B01323WA	Standard	69 oz. (2,041 ml)	7½" W x 15" L (19 x 38 cm)	3 mils (.076 mm)	500
24. B01515WA	Write-On	69 oz. (2,041 ml)	7½" W x 15" L (19 x 38 cm)	3 mils (.076 mm)	500
25. B01445WA*	Write-On	92 oz. (2,721 ml)	10" W x 15" L (25.4 x 38 cm)	4 mils (.102 mm)	250
26. B01446WA*	Write-On	123 oz. (3,637 ml)	10" W x 20" L (25.4 x 50.8 cm)	4 mils (.102 mm)	250
27. B01541WA*	Write-On	138 oz. (4,080 ml)	15" W x 15" L (38 x 38 cm)	4 mils (.102 mm)	100
28. B01447WA*	Write-On	184 oz. (5,441 ml)	15" W x 20" L (38 x 50.8 cm)	4 mils (.102 mm)	250

***LARGER Sizes:** The closing tab has one round and one flat wire to ensure the bag is closed securely. Fold tab over tightly 4-5 times when closing, volume measurements are approximate.

Special Use Bags



Capacity is measured in fluid ounces 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.



B01040WA
With sodium thiosulfate.
100 ml
3" W x 7¼" L
(7.5 x 18.5 cm)
2.25 mils
(.057 mm) thick
Box of 100



B01254WA
With sodium thiosulfate.
300 ml
4½" W x 9" L
(11.5 x 23 cm)
2.5 mils
(.064 mm) thick
Box of 100



B01440WA
30 mg sodium thiosulfate, meets NELAC Standard.
100 ml
3" W x 7¼" L
(7.5 x 18.5 cm)
2.25 mils
(.057 mm) thick
Box of 100



B01402WA
With sodium thiosulfate.
100 ml Stand-Up
3" W x 7¼" L
(7.5 x 18.5 cm)
2.5 mils
(.064 mm) thick
Box of 100



B01403WA
With sodium thiosulfate.
300 ml Stand-Up
4½" W x 9" L
(11.5 x 23 cm)
3.0 mils
(.076 mm) thick
Box of 100



B01417WA
Coli-Test bag for color-changing reagents.
100 ml Stand-Up
3" W x 7¼" L
(7.5 x 18.5 cm)
2.5 mils (.064 mm) thick
Box of 100

Thio-Bags® and Coli-Test Bag for Water Sampling (See pages 14 & 15)

Stand-Up Thio-Bags® (See pages 14 & 15)



B01018WA
13 oz. (384 ml)
5¼" W x 7½" L
(13 x 19 cm)
3.0 mils
(.076 mm) thick
Box of 500



B01063WA
24 oz. (710 ml)
6" W x 9" L
(15 x 23 cm)
4.0 mils
(.102 mm) thick
Box of 500



B01196WA
24 oz. (710 ml)
6" W x 9" L
(15 x 23 cm)
4.0 mils
(.102 mm) thick
Box of 500



B01195WA
55 oz. (1,627 ml)
7½" W x 12" L
(19 x 30 cm)
4.0 mils
(.102 mm) thick
Box of 500



B01239WA
52 oz. (1,538 ml)
7" W x 13" L
(18.5 x 33 cm)
4.0 mils
(.102 mm) thick
Round bottom seal
Box of 500



B01478WA
With sterile teaspoon.
18 fl. oz. (532 ml)
4½" W x 9" L
(11.5 x 23 cm)
2.5 mils
(.064 mm) thick
Box of 100



B01350WA
With 2-oz. (60 ml) scoop.
18 fl. oz. (532 ml)
4½" W x 9" L
(11.5 x 23 cm)
2.5 mils
(.064 mm) thick
Box of 50

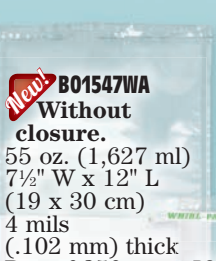
Rounded Corners!

Homogenizer Blender Bags (See pages 8 & 9)

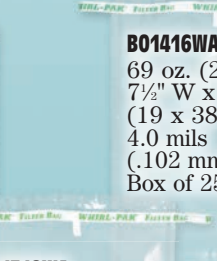
Spoon/Scoop Bags (See page 16)



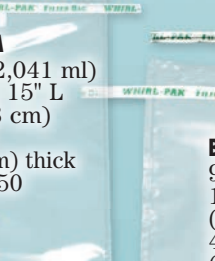
B01385WA
7 oz. (207 ml)
3¾" W x 7" L
(9.5 x 18 cm)
3.0 mils
(.076 mm) thick
Box of 250



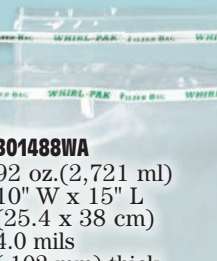
New! B01547WA
Without closure.
55 oz. (1,627 ml)
7½" W x 12" L
(19 x 30 cm)
4 mils
(.102 mm) thick
Box of 250



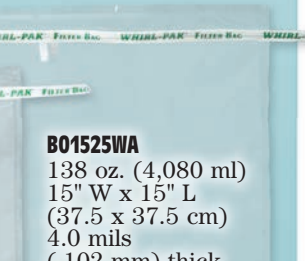
B01318WA
55 oz. (1,627 ml)
7½" W x 12" L
(19 x 30 cm)
4.0 mils
(.102 mm) thick
Box of 250



B01416WA
69 oz. (2,041 ml)
7½" W x 15" L
(19 x 38 cm)
4.0 mils
(.102 mm) thick
Box of 250



B01488WA
92 oz. (2,721 ml)
10" W x 15" L
(25.4 x 38 cm)
4.0 mils
(.102 mm) thick
Box of 100



B01525WA
138 oz. (4,080 ml)
15" W x 15" L
(37.5 x 37.5 cm)
4.0 mils
(.102 mm) thick
Box of 100

Filter Bags (See page 8 & 9)

**B01245WA**

Sponge for surface sampling.
18 oz. (532 ml)
4½" W x 9" L
(11.5 x 23 cm)
2.5 mils
(.064 mm) thick
Box of 100

**B01299WA**

Sponge for surface sampling.
55 oz. (1,627 ml)
7½" W x 12" L
(19 x 30 cm)
4.0 mils
(.102 mm) thick
Box of 100

**B01392WA**

With sterile glove.
18 oz. (532 ml)
4" W x 9" L
(11.5 x 23 cm)
2.5 mils (.064 mm) thick
Box of 100

**B01422WA**

Neutralizing Buffer
18 oz. (532 ml)
Box of 100

**B01423WA**

Neutralizing Buffer
18oz. (532 ml)
With sterile glove.
Box of 100

**B01475WA**

Probe with dry sponge.
24 oz. (710 ml)
Box of 100

Sponge Probe
(See page 13)

Hydrated Sponge Bags (See page 13)

Speci-Sponge® Environmental Surface Sampling (See page 12)

**B00992WA**

7 oz. (207 ml) capacity
3¾" W x 7" L (9.5 x 18 cm)
3.0 mils (.076 mm) thick
Holds 50 x 12 mm petri dish (not included)
Box of 500

**B01018WA**

13 oz. (384 ml)
5¼" W x 7½" L (13 x 19 cm)
3.0 mils (.076 mm) thick
Holds 100 x 15 mm petri dish (not included)
Box of 500

**B01429WA**

Special film for hot fill samples.
18 oz. (532 ml) **Stand-Up**
4½" W x 9" L (11.5 x 23 cm)
3.0 mils (.076 mm) thick
Box of 500

**B01472WA**

Opaque film for light protection.
4 oz. (118 ml)
3" W x 7¼" L
(7.5 x 18.5 cm)
2.5 mils
(.064 mm) thick
Box of 500

**B01418WA**

Opaque film for light protection.
18 oz. (532 ml)
4½" W x 9" L
(11.5 x 23 cm)
2.5 mils
(.064 mm) thick
Box of 500

Plate Incubation (See page 10 & 24)

Stand-Up High Temperature
(See page 17)

Light Sensitive Black Bags (See page 17)

Non-Sterile

Specimen Bag (See page 23)

**B01253WA**

6" W x 9" L
(15 x 23 cm)
2.5 mils
(.064 mm) thick
Pocket for paperwork.
Box of 500

B01407WA

Holds dosimeter, extra long tabs.
3¾" W x 7" L
(9.5 x 18 cm)
2.25 mils
(.057 mm) thick
Box of 500

B01485WA

Holds dosimeter, extra long tabs.
5" W x 10" L
(12.5 x 25.4 cm)
2.5 mils
(.064 mm) thick
Box of 500

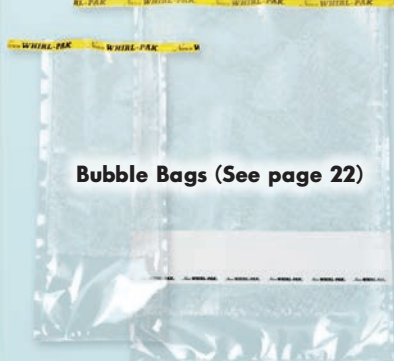
B01520WA

Holds dosimeter, extra long wireless tabs.
5" W x 10" L
(12.5 x 25.3 cm)
2.5 mils
(.064 mm) thick
Box of 500

B01521WA

Holds dosimeter, extra long wireless tabs.
6" W x 10" L
(15 x 25.4 cm)
2.5 mils
(.064 mm) thick
Box of 500

Bubble Bags (See page 22)

**B01483WA**

Inside dimensions:
2¼" (5.7 cm) dia.
4" W x 8" L
(10.2 x 20.3 cm)
Pack of 10

B01484WA

Inside dimensions:
6" (15.2 cm) dia.
9" W x 12" L
(30.5 x 22.9 cm)
Pack of 10

Nuclear Bags (See page 22)



These Whirl-Pak® bags are specially designed for use with homogenizer blenders. They are made from extra-heavy polyethylene and have special features to make sample testing easier and more efficient. See size chart on page 9.

Standard Bags

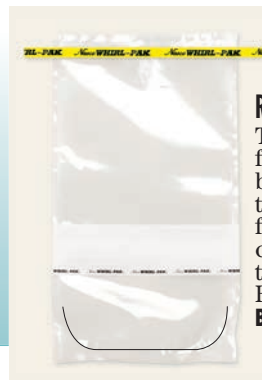


B01018WA
Box of 500

B01063WA
Box of 500

B01196WA
Box of 500

B01195WA
Box of 500



Round Bottom Seal

The B01239WA bag features a special round bottom seal designed to minimize sample fragments from getting caught in the corners of the bag during blending.

Box of 500.
B01239WA

Filter Bags



B01385WA
Box of 250

B01348WA
Box of 250

New! **B01547WA**
Box of 250

B01318WA
Box of 250

B01416WA
Box of 250

B01488WA
Box of 100

B01525WA
Box of 100



All the bags use the same filter material. These special bags contain a third layer of finely perforated polyethylene, which filters out the solids in the sample when used in a homogenizer blender. This allows for easy pipetting of the sample. 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 is sealed into the perimeter of the bag on the sides and bottom, allowing the sample to be placed in the bag on either side. The liquid will transfer through the filter, but the solids stay on one side.



B01451WA



Perforation for easy opening

Stand-Up Blender Bags

Now have the convenience of using a bag that will stand up by itself. No rack or special holder is needed for this Whirl-Pak® Stand-Up bag. It has a special gusset on the bottom which flattens out when the sample is placed inside, allowing it to stand up completely by itself. Both hands are free to work with the sample saving time and money in the process.

24-oz. (710 ml) Stand-Up Bag. Film thickness: 3.0 mils (.076 mm).
Box of 500. Sh. wt. 7.50 lbs. (3.40 kg).

B01401WA

69-oz. (2,041 ml) Stand-Up Bag. Film thickness: 4.0 mils (.102 mm).
Box of 250. Sh. wt. 9.50 lbs. (4.31 kg).

B01451WA

Plain Blender Bags

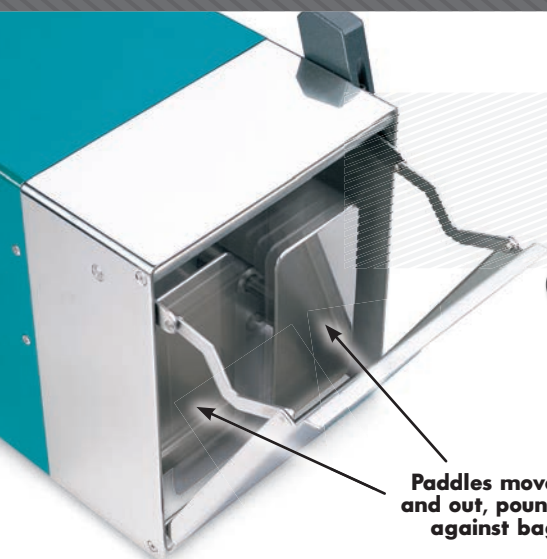
When the sample does not have to be retained, these bags are designed for quick testing and disposal. The bags are made of Whirl-Pak® film, have a perimeter seal, and are sealed at the top. There is a perforation for easy opening and to protect sterility, which allows for separate handling of each bag.

7 1/2" W x 12" L (19 x 30 cm), 3.0 mils (.076 mm) thick. Box of 1,000 bags. Sh. wt. 20 lbs. (9.10 kg).

B01421WA

15" W x 20" L (37.5 x 50 cm), 4.0 mils (.102 mm) thick. Box of 250 bags. Sh. wt. 22 lbs. (9.98 kg).

B01474WA



1. Place sample in bag and add diluent.



2. Insert bag in machine.



3. Close door, paddles start automatically or with switch, door holds the bag in place.



4. When time has elapsed, open door, remove bag, and test sample.

Masticator® Homogenizer Blender

For microbiological analysis of a wide range of products. In many microbiological procedures, it is essential to have a liquid sample which has a bacterial content representative of the original material. The liquid is easy to cultivate or to process microbiologically, whereas the original material would not allow reliable results to be obtained.

The Masticator® Homogenizer Blender features:

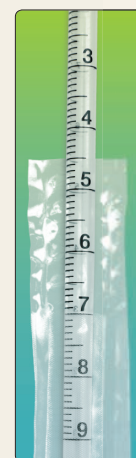
- Two paddles mix the sample inside the Whirl-Pak® bag
- Paddles work at 10 strokes per second, suitable for most applications
- Blends samples up to 400 ml
- Starts automatically when door is closed or has a starter switch
- Timer adjusts from 15-90 seconds or operates continuously
- No direct contact with the sample eliminates cross-contamination
- Stainless steel compartment, hinged door removes easily for cleaning
- Maintenance-free, self-lubricating parts
- 3-year warranty
- Sh. wt. 55 lbs. (24.96 kg).

B01420WA

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). Sh. wt. 2.50 lbs. (1.13 kg).

B01523WA



Whirl-Pak® Blender Bag Sizes – for Bags on Page 8

Bag Number	Film Thickness		Size		Capacity	
	mils	mm	in.	cm	oz.	ml
B01018WA (Standard)	3.0	.076	5¼" W x 7½" L	13 x 19 cm	13 oz.	384 ml
B01063WA (Standard)	4.0	.102	6" W x 9" L	15 x 23 cm	24 oz.	710 ml
B01196WA (Write-On)	4.0	.102	6" W x 9" L	15 x 23 cm	24 oz.	710 ml
B01195WA (Write-On)	4.0	.102	7½" W x 12" L	19 x 30 cm	55 oz.	1,627 ml
B01445WA (Write-On)	4.0	.102	10" W x 15" L	25.4 x 38 cm	92 oz.	2,721 ml
B01446WA (Write-On)	4.0	.102	10" W x 20" L	25.4 x 50.8 cm	123 oz.	3,637 ml
B01447WA (Write-On)	4.0	.102	15" W x 20" L	38 x 50.8 cm	184 oz.	5,441 ml
B01239WA (Round-Bottom Seal)	4.0	.102	7" W x 13" L	18.5 x 33 cm	52 oz.	1,538 ml
B01385WA (Filter)	3.0	.076	3¾" W x 7" L	9.5 x 18 cm	7 oz.	207 ml
B01348WA (Filter)	4.0	.102	6" W x 9" L	15 x 23 cm	24 oz.	710 ml
B01318WA (Filter)	4.0	.102	7½" W x 12" L	19 x 30 cm	55 oz.	1,627 ml
B01416WA (Filter)	4.0	.102	7½" W x 15" L	19 x 38 cm	69 oz.	2,041 ml
B01488WA (Filter)	4.0	.102	10" W x 15" L	25.4 x 38 cm	92 oz.	2,721 ml
B01525WA (Filter)	4.0	.102	15" W x 15" L	37.5 x 37.5 cm	138 oz.	4,080 ml
B01401WA (Stand-Up)	3.0	.076	6" W x 9" L	15 x 23 cm	24 oz.	710 ml
B01451WA (Stand-Up)	4.0	.102	7½" W x 15" L	19 x 38 cm	69 oz.	2,041 ml
B01421WA (No Tape & Wire)	3.0	.076	7½" W x 12" L	19 x 30 cm	55 oz.	1,627 ml
B01474WA (No Tape & Wire)	4.0	.102	15" W x 20" L	37.5 x 50 cm	184 oz.	5,441 ml
New! B01547WA (No Tape & Wire with Filter)	4.0	.102	7½" W x 12" L	19 x 30 cm	55 oz.	1,627 ml



Whirl-Pak® Stand-Up Bag

The Whirl-Pak® Stand-Up Bag makes sample handling and testing much easier because it gives users the ability to perform important laboratory functions with both hands, because the bag will stand completely by itself. No rack or other holder is needed to keep the bag upright. When the sample is placed inside, the special gusseted bottom flattens out, allowing the bag to stand up on its own. It works just like a beaker or bottle, however, it costs less, is sterilized, won't break, and uses only a fraction of storage space as the other containers. Available in seven sizes with a convenient write-on strip for easy sample identification.

Cat. No.	Bag Capacity	Size	Thickness	Bags/Box
1. B01542WA	138 oz. (4,080 ml)	15" W x 15" L (38 x 38 cm)	4 mils (.102 mm)	100
2. B01451WA	69 oz. (2,041 ml)	7½" W x 15" L (19 x 38 cm)	4 mils (.102 mm)	250
3. B01450WA	42 oz. (1,242 ml)	6" W x 15" L (15 x 38 cm)	4 mils (.102 mm)	250
4. B01449WA	36 oz. (1,065 ml)	5" W x 15" L (12.5 x 38 cm)	4 mils (.102 mm)	250
5. B01448WA	27 oz. (798 ml)	5" W x 12" L (12.5 x 30.5 cm)	3 mils (.076 mm)	250
6. B01401WA	24 oz. (710 ml)	6" W x 9" L (15 x 23 cm)	3 mils (.076 mm)	500
7. B01365WA	18 oz. (532 ml)	4½" W x 9" L (11.5 x 23 cm)	3 mils (.076 mm)	500
8. B01364WA	4 oz. (118 ml)	3" W x 7¼" L (7.5 x 18.5 cm)	2.5 mils (.064 mm)	500



Stand-Up High Temperature Bag

For hot fill samples with a temperature up to **215° F (102° C)**, the Whirl-Pak® high temperature bag is specially made for this application. The FDA approved film is a co-extrusion of low density polyethylene and nylon that will hold liquids, solids, sauces, gravies, and other samples having a high temperature. The 18 oz. (532 ml) bag is self standing and does not need a rack or special holder to keep it upright, making sample collection safe and easy. The write-on strip provides an easy place to list sample information on the bag. **(Do not put bag in boiling water.)** Film thickness is 3.0 mils (0.076 mm). Box of 500. Sh. wt. 7 lbs. (3.17 kg).

B01429WA



Stand-Up Thio-Bags®

The job of collecting water samples is easier with the Whirl-Pak® Stand-Up Thio-Bag®! A special gusset on the bottom of the bag flattens out when water is put in the bag, allowing it to stand up completely by itself. No rack or other holder is needed to keep the bag upright. Forget washing and sterilizing glass bottles and disposing of expensive vials. Sterile and unbreakable, these bags will save time and money whether working in the lab or in the field. Available in 100 ml and 300 ml sizes, the bags contain 10 or 30 mg of active sodium thiosulfate to neutralize chlorine in the sample. Box of 100.

B01402WA 100 ml Bag. Sh. wt. 0.94 lbs. (0.43 kg).

B01403WA 300 ml Bag. Sh. wt. 1.25 lbs. (0.57 kg).

Whirl-Pak® Coli-Test Bag – Color-Change Reagents

If water samples are being tested with **color-changing reagents**, this bag can be used in place of an expensive bottle. The bag is made of a special **barrier film** suitable for use with enzyme-based methods that result in a chromogen and/or a fluorogen release when total coliform and *E. coli* are present. It is sterile, contains 10 mg of active sodium thiosulfate to neutralize chlorine at time of collection, has 4 oz. and 100 ml fill lines, and is completely self-standing. The bag can also be used for non-chlorinated samples; sodium thiosulfate is nontoxic and nonnutritive, and only neutralizes chlorine if present. **A free color comparator is included in every box.** The Coli-Test bag has been accepted by the EPA and is listed in the EPA Manual for the Certification of Laboratories Analyzing Drinking Water Section 5.3.1.4, 5th edition, January 2005. Bag measures 3" W x 7¼" L (7.5 x 18.5 cm). Film thickness is 2.5 mils (.064 mm). Box of 100 in sealed packs of 25. Sh. wt. 1.25 lbs. (0.57 kg).

B01417WA



Stand-Up Bags make it very easy to add material to the bag or to remove sample for testing or analysis. The flat bottom ensures stability and the wire tabs hold the top open for easy access.



Testing water in Kenya using a Whirl-Pak® Stand-Up Bag, B01364WA.



Whirl-Pak® Stand-Up Bag

The Whirl-Pak® Stand-Up Bag makes sample handling and testing much easier because it gives users the ability to perform important laboratory functions with both hands, because the bag will stand completely by itself. No rack or other holder is needed to keep the bag upright. When the sample is placed inside, the special gusseted bottom flattens out, allowing the bag to stand up on its own. It works just like a beaker or bottle, however, it costs less, is sterilized, won't break, and uses only a fraction of storage space as the other containers. Available in seven sizes with a convenient write-on strip for easy sample identification.

4-oz. (118 ml) Stand-Up Bag. Film thickness: 2.5 mils (0.064 mm).
500 per box. Sh. wt. 3.25 lbs. (1.47 kg).
B01364WA

18-oz. (532 ml) Stand-Up Bag. Film thickness: 3.0 mils (0.076 mm).
500 per box. Sh. wt. 6.50 lbs. (2.95 kg).
B01365WA

24-oz. (710 ml) Stand-Up Bag. Film thickness 3.0 mils (0.076 mm).
500 per box. Sh. wt. 7.50 lbs. (3.40 kg).
B01401WA

27-oz. (798 ml) Stand-Up Bag. Film thickness 3.0 mils (0.076 mm).
250 per box. Sh. wt. 5 lbs. (2.26 kg).
B01448WA

36-oz. (1,065 ml) Stand-Up Bag. Has one round wire and one flat wire in the tab. Film thickness 4.0 mils (0.102 mm). 250 per box. Sh. wt. 7 lbs. (3.17 kg).
B01449WA

42-oz. (1,242 ml) Stand-Up Bag. Has one round wire and one flat wire in the tab. Film thickness 4.0 mils (0.102 mm). 250 per box. Sh. wt. 8.50 lbs. (3.86 kg).
B01450WA

69-oz. (2,041 ml) Stand-Up Bag. Has one round wire and one flat wire in the tab. Film thickness 4.0 mils (0.102 mm). 250 per box. Sh. wt. 9.50 lbs. (4.31 kg).
B01451WA



- Jar/Beaker
- Stands up
 - Not sterile
 - Breakable
 - Takes up space
 - Needs labels
 - Needs cover
 - Additional disposal costs

- Whirl-Pak® Stand-Up Bag
- Self-standing
 - Pre-sterilized
 - Unbreakable
 - Compact
 - Write-on area
 - Self-contained closing tab

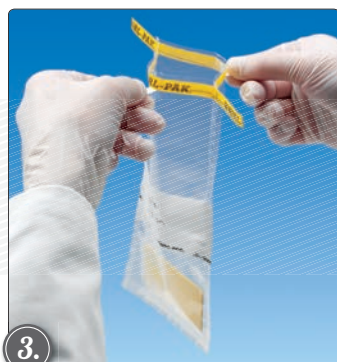


Box of 500 Whirl-Pak® bags versus 500 beakers

Whirl-Pak® Speci-Sponge® Bags

The Whirl-Pak® Speci-Sponge® bag is 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. It measures approximately 1½" x 3" x ⅝" (3.8 x 7.6 x 1.5 cm) thick when wet, and is sterilized inside a Whirl-Pak® bag. Wearing a sterile glove when wiping with the sponge is recommended to help prevent contamination. After the sample has been collected and the sponge returned to the bag, it can be sent to a lab for testing. Media may be added directly to the bag and the sample incubated for a +/- test, or the sample may be squeezed out of the sponge, pipetted, and plated out.



3. Pull tabs to open bag.



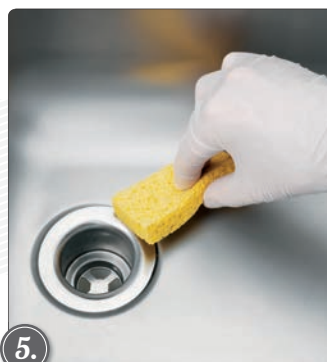
4. Add D/E Broth or diluent of your choice.



1. Write sample location on the bag.



2. Tear off top along perforation.



5. Wipe surface with sterile sponge.



6. Place sponge in bag, close, and send to laboratory.



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. Sh. wt. 1.75 lbs. (0.79 kg).

BO1245WA

55-oz. (1,627 ml) Speci-Sponge® Bag

The bag measures 7½" W x 12" L (19 x 30 cm) and is designed to be used in a homogenizer blender for thorough mixing of the sample and media. The sample may be plated out or used as a pre-enrichment broth later. This is standard procedure for USDA-ARS to identify foodborne pathogens. Film thickness: 4.0 mils (.102 mm). Box of 100. Sh. wt. 4.25 lbs. (1.93 kg).

BO1299WA

18-oz. Speci-Sponge® Bag with Sterile Glove

Includes a sterile, nonhanded, large-size polyethylene glove attached in a bottom compartment. To use, tear off the glove pack along the perforation. The glove is folded with the open end slightly extended so the glove can be held and shaken open without touching the hand area. Bag thickness is 2.5 mils (.064 mm). Bag size: 4½" W x 9" L (11.5 x 23 cm). Box of 100. Sh. wt. 3.50 lbs. (1.58 kg).

BO1392WA

D/E Neutralizing Broth

D/E neutralizing broth, a general-purpose diluent, will moisten the sponge and neutralize surface sanitizers if present. These include: quaternary ammonium compounds, phenolics, iodine preps, chlorine preps, mercurials, formaldehyde, and glutaraldehyde. **This product must be stored at 35° to 46° F (2° to 8° C), but can be out of refrigeration up to 48 hours. The shelf life is 24 months from date of manufacture and the expiration date is marked on each carton.** Shipped overnight or second day delivery. Box of 100 vials, each containing 10 ml of broth. Sh. wt. 5 lbs. (2.27 kg).

BO1256WA



Customer Comment

Oct. 2007

Jan Narciso, USDA-ARS, says in two fruit research papers:

1. "Microorganisms on the...fruit were removed using a sterile Whirl-Pak® Speci-Sponge®" and "three...slices...placed in Whirl-Pak® bags."
2. "...inoculated fruits were assayed in Whirl-Pak® bags as previously described."



Whirl-Pak® Hydrated Speci-Sponge® Bags

Gamma radiated! Whirl-Pak® hydrated Speci-Sponge® bags save time and money for environmental surface sampling. They are 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. To use, squeeze out excess liquid from the sponge by squeezing the bag from the outside. Wipe the surface, return sponge to bag, and send to a lab for analysis.

BO1423WA contains a nonhanded, large-size, sterile glove in a separate compartment. To use, tear off the glove pack, hold glove by the extended end and shake open, being careful not to touch the hand area. Both bags are 18 oz. (532 ml), 2.5 mils (.064 mm) thick.

Diluent has a 24-month shelf life from the date of manufacture. Neutralizing buffer contains monopotassium phosphate, sodium thiosulfate, and aryl sulfonate complex. Box of 100.

BO1422WA Without Glove. Sh. wt. 5.50 lbs. (2.49 kg).

BO1423WA With Sterile Glove. Sh. wt. 6.50 lbs. (2.95 kg).



New! Whirl-Pak® 1-ply Composite Tissue Bag

Includes a 1-ply composite tissue in a bottom compartment. To use, simply tear off the bottom compartment, hydrate the 1-ply composite tissue with neutralizing buffer (if necessary), remove aseptically using a glove, and collect your surface sample. After sample collection, place the 1-ply composite tissue inside the top Whirl-Pak® bag, seal, and return to the laboratory. Recent studies* have shown this 1-ply composite tissue method to be an effective, low-cost alternative to other surface sampling methods. Multiple 1-ply composite tissues can also be composited and enriched in the same sample bag to further reduce costs. 18-oz. (532 ml) bag. 4" W x 9" L (11.5 x 23 cm). 2.5 mils (.064 mm) thick. Box of 100. Sh. wt. 3 lbs. (1.36 kg).

BO1548WA

*References:

Vorst, K., E.C.D. Todd, and E.T. Ryser. 2004. Improved quantitative recovery of *Listeria monocytogenes* from stainless steel surfaces using a 1-ply composite tissue. *J. Food Prot.* 67:2212-2217

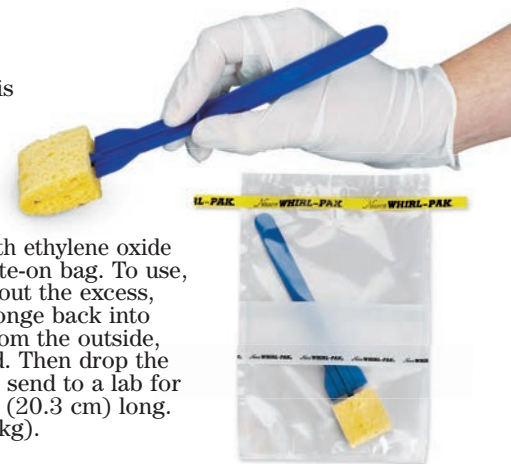
Yan, Z., K.L. Vorst, L. Zhang, and E.T. Ryser. 2007. Use of 1-ply composite tissues in an optical automated assay for recovery of *Listeria* from food contact surfaces and poultry-processing environments. *J. Food Prot.* 70:1263-1266.

Buchholz, A.L., G.R. Davidson, B.P. Marks, E.C.D. Todd, and E.T. Ryser. 2012. Quantitative transfer of *Escherichia coli* O157:H7 to equipment during small-scale production of fresh-cut leafy greens. *J. Food Prot.* 75:1184-1197.

Whirl-Pak® Sponge Probe

The Whirl-Pak® Sponge Probe is designed for surface sampling and is effective for hard-to-reach areas. The sponge is adhered to a holder that is screwed onto a handle (both pieces are made of polypropylene). The probe is sterilized with ethylene oxide gas inside a 24-oz. (710 ml) write-on bag. To use, add buffer to the bag, squeeze out the excess, swab the surface, insert the sponge back into the bag and, while holding it from the outside, unscrew the handle and discard. Then drop the sponge into the bag, close, and send to a lab for testing. The probe measures 8" (20.3 cm) long. Box of 50. Sh. wt. 5 lbs. (2.27 kg).

BO1475WA



BO1457WA



Nasco Sponge Pole

If sampling procedures require testing surfaces that are up high or hard to reach such as a window ledge, light fixture, air vent duct, inside a large tank, etc., the Nasco Sponge Pole will make the job easier and more efficient. The adjustable aluminum pole is 6 ft. (1.83 m) long and extends to 12 ft. (3.66 m). To use: autoclave the sponge holder and attach it to the end of the pole without touching the metal sponge clamp. With a sterile gloved hand, insert a dry sterile sponge on the end of the holder and hydrate. Extend the pole to the length required, wipe the surface with the sponge, shorten the pole, remove sponge, place it in a Whirl-Pak® bag, and send to a lab for testing. Pole includes pack of 10 sterile sponges. (See pages 18 and 20 for sterile gloves.) Sh. wt. 2 lbs. (0.91 kg).

BO1457WA

ISO 9001 and
ISO 13485



Autoclavable
sponge holder

Bulk Sponges

Non-sterile sponges 1½" x 3" (3.8 x 7.6 cm) for a variety of surface sampling applications. Sponges can be sterilized by radiation or autoclaving with the sponge placed in glass or other autoclavable container. Package of 250. Sh. wt. 1.50 lbs. (0.68 kg).

BO1351WA



Thio-Bag® - EPA Approved for Potable Water Collection



The Whirl-Pak® Thio-Bag® is specially designed for sampling chlorinated water from municipalities, swimming pools, waste water, and other areas to test for fecal coliforms and other bacteria. (Can also be used for water treated with chloramine used in the same concentration as chlorine.) Each sterile bag contains a nontoxic, nonnutritive tablet containing 10 mg of 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 sample containers. The B01040WA bag has a convenient write-on strip and 4 oz and 100 ml fill lines to help collect the correct amount of water as required by Standard Methods (fill lines are approximate). A box of 100 bags measures 9" W x 7" L x 2" H (23 x 17.8 x 5 cm) and takes up considerably less space than a case of 100 bottles. The bags are packaged in sealed packs of 25 for easy use and the entire lot is sterilized as a unit of 100. Film thickness is 2.25 mils (.057 mm). Box of 100 bags. Sh. wt. 0.88 lbs. (0.40 kg). **B01040WA**

See page 15 for Thio-Bag® transport.

Whirl-Pak® bags, including Thio-Bags®, are approved for collection of microbiological samples for "National Pollutant Discharge Elimination System" (NPDES) compliance monitoring.



300 ml sample
being split into
100 ml units

300 ml Thio-Bag®

When it is necessary to run multiple tests, this 18-oz. Thio-Bag® provides a 300 ml sample. It contains three times the amount of sodium thiosulfate as the smaller Thio-Bag® and holds 300 ml when filled to the top of the white write-on strip (fill line). Film thickness: 2.5 mils (.064 mm). Box of 100 bags. Sh. wt. 1.50 lbs. (0.68 kg). **B01254WA**



Stand-Up Thio-Bags®

The job of collecting water samples is easier with the Whirl-Pak® Stand-Up Thio-Bag®! A special gusset on the bottom of the bag flattens out when water is put in the bag, allowing it to stand up completely by itself. No rack or other holder is needed to keep the bag upright. Forget washing and sterilizing glass bottles and disposing of expensive vials. Sterile and unbreakable, these bags will save time and money whether working in the lab or in the field. Available in 100 ml and 300 ml sizes, the bags contain 10 or 30 mg of active sodium thiosulfate to neutralize chlorine in the sample. Box of 100.

B01402WA 100 ml Bag. Sh. wt. 0.94 lbs. (0.43 kg).

B01403WA 300 ml Bag. Sh. wt. 1.25 lbs. (0.57 kg).

Waste Water Thio-Bag®

Meets National Environmental Laboratory Accreditation Conference (NELAC) standard, June 2003, for sampling waste water treated with 15 mg/l of chlorine. Sterile, 100 ml bag contains 30 mg of sodium thiosulfate to neutralize chlorine. The bag has 100 ml and 4-oz. fill lines. Box of 100 bags. Sh. wt. 0.81 lbs. (0.37 kg). **B01440WA**



Customer Comment

"We have not stopped bragging about the Whirl-Pak® Thio-Bag® since we were introduced to them approximately three years ago. We have been using the bags for collecting potable water samples from our municipal system ever since. The bags are efficient, effective, and have saved us a tremendous amount of money and time. Our entire staff truly enjoys using the bags and would advise anyone looking for a more efficient, cost effective method of collecting water samples to give them a try. You will not be disappointed!"

-Virgin Islands WAPA

Feb. 2009



**Coliforms
Present**

**E. coli
Present**

Whirl-Pak® Coli-Test Bag – Color-Change Reagents

If water samples are being tested with **color-changing reagents**, this bag can be used in place of the expensive bottle currently used. The bag is made of a special **barrier film** suitable for use with enzyme-based methods that result in a chromogen and/or a fluorogen release when total coliform and *E. coli* are present. It is sterile, contains 10 mg of active sodium thiosulfate to neutralize chlorine at time of collection, has 4 oz. and 100 ml fill lines, and is completely self-standing — no rack or holder is needed. If the sample is not chlorinated, this bag can still be used; the sodium thiosulfate is nontoxic and nonnutritive, and only neutralizes chlorine if present. **A free color comparator is included in every box.**

The Coli-Test bag has been accepted by the EPA and is listed in the EPA Manual for the Certification of Laboratories Analyzing Drinking Water Section 5.3.1.4, 5th edition, January 2005.

The Coli-Test bag will save money three ways: less expensive than the bottle, lower freight charges, and reduced disposal costs. A box containing 100 bags measures 9" L x 7" W x 2" H (23 x 18 x 5 cm) and weighs 1 lb. (0.40 kg), compared to a box of bottles which has considerably more volume and weight. Film thickness is 2.5 mils (0.064 mm). Box of 100 in sealed packs of 25. Sh. wt. 1.25 lbs. (0.57 kg).

B01417WA



**Color
Comparator**



Thio-Bag® Instruction Poster

This poster shows how to open, fill, and close Thio-Bags®. Designed to put on a bulletin board in the laboratory or any other convenient location for sample collector's reference. Durable and colorful. 11" W x 17" L (28 x 43 cm). Sh. wt. 0.06 lbs. (0.03 kg). **B01103WA**



Mailing Tube for Thio-Bags®

For mailing 100 ml Thio-Bags®, regular or stand-up (see page 14), use this sturdy multi-use PVC container. To close the tube, place the caps tightly on each end, place two pieces of tape over each cap, and apply address label. Tube measures 5" L x 2" dia. (13 x 5 cm). Sh. wt. 0.25 lbs. (0.12 kg).

B01101WA



Water Scoop

Designed for collecting water samples from swimming pools, streams, ponds, and other hard-to-reach places. Squeezing the handle together slightly helps open the bag, making collection easy. The handle is 11-gauge steel, 18" L (45.7 cm), and is electrostatically coated with a powder finish to provide durability and comfort. Two alligator clips on the end will hold a variety of bag sizes, making sample collection easy and fast. Sh. wt. 0.25 lbs. (0.12 kg).

B01079WA

Water Quality Determination

To determine the water quality of:

- **Wastewater** • **Recreational Waters** • **Surface and Irrigation Water Supplies** • **Potable Water**

The collection of potable water is made easier with the Whirl-Pak® Thio-Bag®. Where **untreated water** is tested, any Whirl-Pak® bag can be used.

Incubation

Specificity of enteric pathogenic microorganisms is directly related to incubation temperature. Air incubation is undesirable because of heat layering within the chamber and slow recovery of temperature each time the incubator is opened during daily operations. Therefore, the need for greater temperature control must be made with a water bath. The temperature control tolerance is $\pm 0.2^\circ$ C. Membrane filters with 50 mm x 12 mm Petri dishes using the prescribed medium for the test being made are generally used. Filter cultures are placed in Whirl-Pak® sterilized watertight bags, the bags are closed in the usual manner, immersed in a controlled water bath, and weighed down to keep contents submerged.

Fecal Coliform Densities

Four plates, 50 x 12 mm fit into a (B00992WA) Whirl-Pak® bag. Submerge and incubate at 44.5° C.

Pseudomonas aeruginosa

Procedure same as with fecal coliform except incubation temperature is controlled at 41.5° C.



**B00994WA
with five plates**

As pictured above, various Whirl-Pak® bags will hold several 100 mm x 15 mm plates for incubation in a water bath. Bags pictured on pages 4 & 5.

B00990WA 4 plates

B00994WA 5 plates

B01027WA 8 plates

Spoon & Scoop Bags



Whirl-Pak® Spoon Bag

For an easy way to collect a sample of a dry product, try the Whirl-Pak® Spoon Bag. An 18-oz. (532 ml) write-on bag contains a sterile, disposable polystyrene plastic spoon of approximately 1 teaspoon capacity. Minimize possible contamination by opening only one package instead of two when collecting the sample. It is ideal for a wide range of dry products, powders, and other similar materials.

Box of 100. Sh. wt. 1.75 lbs. (0.78 kg).

BO1478WA

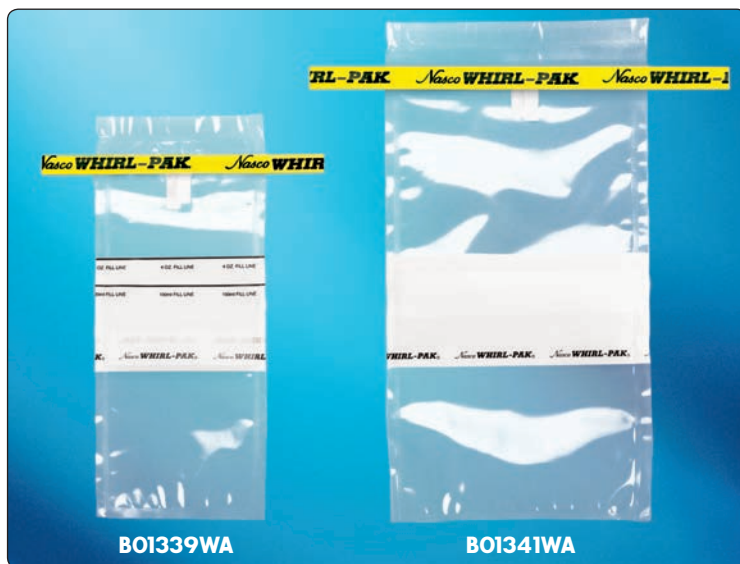


Whirl-Pak® Scoop Bag

For fast, convenient sampling of a variety of materials, the Whirl-Pak® Scoop Bag will save time and money. The sterile scoop is already contained inside the bag, eliminating the need to carry two items to collect the sample and minimizing contamination. The 2-oz. (60 cc) polypropylene scoop measures 7" (18.5 cm) long, and comes in an 18-oz. (532 ml) bag. Film thickness: 2.5 mils (.064 mm). Box of 50 bags. Sh. wt. 2.75 lbs. (1.25 kg).

BO1350WA

Flat-Wire Bags



These 4-oz. and 18-oz. bags are made with one flat wire only, rather than the two round wires normally used. The flat wire provides a thicker tab, resulting in a heavier closure which is preferred in some applications. The aluminum wire features "PUNCTURE-PROOF TABS," so the wire ends are completely covered, eliminating any sharp, cutting, exposed edges. The aluminum will not rust when coming in contact with water or other liquids. Available in two sizes, with the convenient write-on strip.

4-oz. (118 ml) Flat Wire Sample Bag

4-oz. Write-On. 3" W x 7¼" L (7.5 x 18.5 cm), 2.25 mils (.057 mm) thick. Sh. wt. 3 lbs. (1.36 kg).

BO1339WA



Round Wire Bag



Flat Wire Bag

18-oz. (532 ml) Flat Wire Sample Bag

18-oz. Write-On. 4½" W x 9" L (11.5 x 23 cm), 2.5 mils (.064 mm) thick. Sh. wt. 5 lbs. (2.30 kg).

BO1341WA



Ideal for pharmaceuticals, spinal fluid, amniotic fluid, seasonings, and many other liquid or solid products requiring reduced light exposure or complete blockage.

Whirl-Pak® Black Bag

When it is necessary to protect a sample from light, the Whirl-Pak® black bag is specially designed for this application. The polyethylene film is made from pigmented resins so the black color is an integral part of the bag and not a printed layer. The result is an opaque bag providing maximum protection for samples that are sensitive to light. It is ideal for pharmaceuticals, spinal fluid, amniotic fluid, seasonings, flavors, food supplements, vitamins, marine life, and many other liquid or solid products. It is FDA approved for food contact. Film thickness is 2.5 mils (0.064 mm), box of 500.

B01472WA 4 oz. (118 ml). Sh. wt. 3 lbs. (1.36 kg).

B01418WA 18 oz. (532 ml). Sh. wt. 4.75 lbs. (2.15 kg).



Pocket Bag

You'll find many uses for this bag featuring an outside pocket for paperwork. 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. By folding the top over a few extra times, the pocket will be closed completely, securing the paperwork inside. Bag measures 6" W x 9" L (15 x 23 cm). Film thickness: 2.5 mils (.064 mm). Box of 500 bags. Sh. wt. 8 lbs. (3.62 kg).

B01255WA

Custom Design Bags



Whirl-Pak® bags are available in special designs, including different colors, custom configurations, printing, artwork, and sizes. Minimum size available: 2½" W x 5" L (6.5 x 12.5 cm). Maximum size available: 15" W x 20" L (38 x 51 cm). Minimum quantities are required, which may be up to 50,000 bags, depending on the bag size, and lead times are approximately 6 to 8 weeks. Smaller quantities are available using a one-color print only in an area not to exceed 4" x 4" (10.2 x 10.2 cm), and lead times are generally 2 to 3 weeks. Shown here are some examples of special bags we have made. Please contact Nasco for more information.

BAG YOUR EVIDENCE IN A WHIRL-PAK®

- ✓ Blended polyethylene bag for maximum strength
- ✓ Sterilized for contamination-free storage
- ✓ Leakproof closing tab for solids and liquids
- ✓ Optional security tape for tamper protection (see page 23 for details)



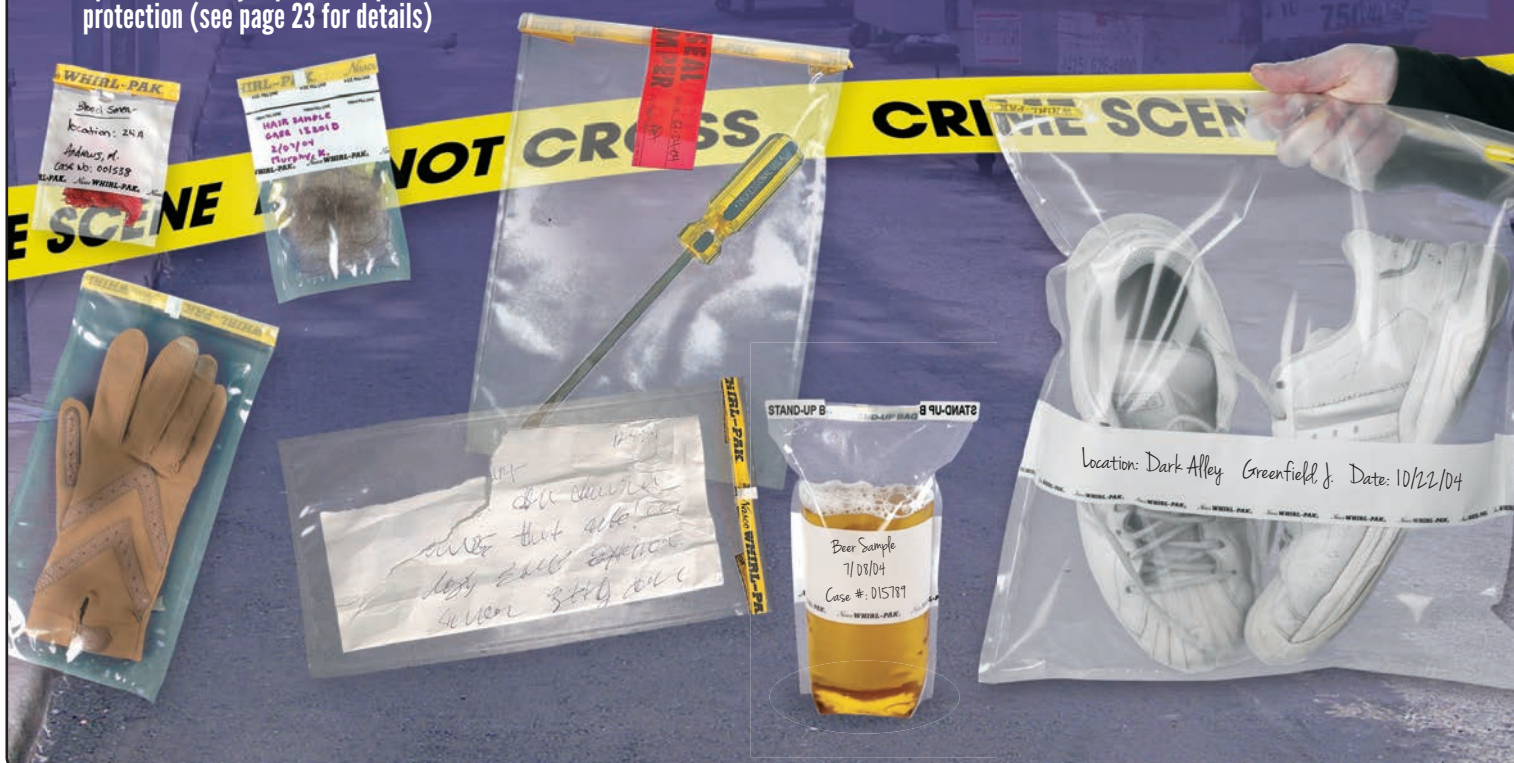
Tear off top
of bag



Place sample
in bag



Fold tab over 3 times
and bend wire ends



Perforation



Nasco Sterile Gloves

For sterile sampling situations or any laboratory procedure requiring sterile handling, these polyethylene gloves are economical and easy to use. They are packaged one pair in a sealed bag that is perforated for easy opening. Large. Box of 100 pairs. Sh. wt. 3.25 lbs. (1.47 kg).

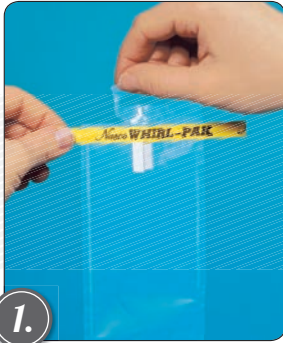
B01419WA

Whirl-Pak® Application

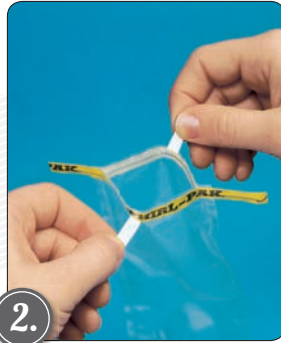
The FDG (2-Fluoro-2-Deoxy-D-Glucose), shown here packaged in a B01027WA Whirl-Pak® bag, was developed at the University of North Dakota School of Medicine. The product is used in PET (Positron Emission Tomography) scans for diagnosis, staging, and monitoring treatment of cancer.



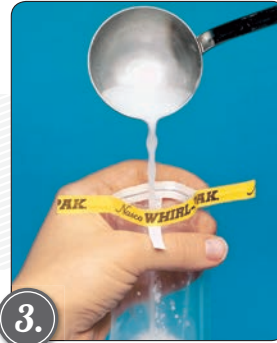
Using Whirl-Pak® Bags



1. Tear off top of bag along perforation.



2. Use pull tabs to open bag.



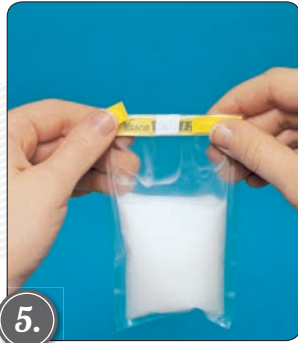
3. Place sample in bag not more than 2" (5.1 cm) from the top.



4a. Hold bag by the wire ends and whirl three times for the tightest seal.



4b. Or, fold the tab over tightly three to four times to close.



5. Bend wire ends onto bag.

Write-On Strip For Sample Identification

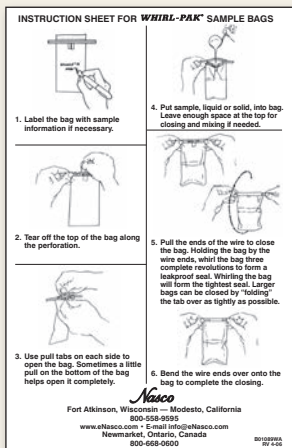
The white write-on strip makes sample identification easy and convenient. The paper-like finish can be written on with ballpoint pen, pencil, felt marker, and other writing instruments, plus the ink adheres better to the strip than the plain film. The top of the write-on strip on the B01064WA is also the 2 oz. (58 ml) fill line. Several bags have 4 oz. and 100 ml fill lines to assist in water sample collection. **Fill lines are approximate.**



Marking Pen

For marking on Whirl-Pak® bags without a write-on strip, and many other plastic products, this permanent, waterproof marking pen is ideal. It has a fine point so numbers and letters can be written easily; it also has a clip so it can be attached to clothing. These indelible black ink pens are sold individually or in a box of 12.

B01180WA



B01089WA

FREE!

Pad of 25 Instruction
Sheets is available free.
(English only)

PDF versions of instructions for
using Whirl-Pak® bags are
available in English, German,
French, Italian, Portuguese, and
Spanish at Whirl-Pak.com.

Rack Tray for Shaking Incubation

The Whirl-Pak® rack tray is designed to hold a rack of bags during shaking incubation. Made of PC ABS plastic, it is autoclavable and holds the rack securely in place during shaking. The wide bottom design ensures the tray will not slide or tip during the process. The bottom of the tray is smooth, making clean up quick and easy. Tray dimensions: 12½" x 12½" (31.75 cm x 31.75 cm). Holds rack B00751WA. Sh. wt. 0.75 lbs. (0.34 kg).

B01433WA

Veterinary Sampling

Sterilized, single-use Whirl-Pak® sampling bags make handy, convenient, and safe containers for use by veterinarians in the field and in the hospital. A large variety of sizes are available to fill any need. They have been used for many years for transporting tissue, protecting veterinary instruments, holding feed, evidence, milk samples, and dispensing medication. Because they are sterile, nonbreakable, freezable, easy to dispose of, and take up minimum storage space, they are widely used in the veterinary market.

Plastic Disposable Aprons

These tough, smooth white aprons of 1.75-mil polyethylene are liquid-proof and acid resistant. The smooth surface makes it easy to clean. Measuring 28" x 45", these aprons cover most people below the knee, and the plastic ties and neckline band are designed for a comfortable fit. Packed 100 aprons per dispenser box.

Sh. wt. 8 lbs. (3.63 kg).

W05863WA



Heavy-Duty Plastic Tie Boots

Over-the-shoe plastic boots are easy to slip on and off. Handy tie closure. Made of polyethylene. Can be worn once and discarded. 16" L x 21" H.

4-mil Plastic Tie Boots. Box of 50 (25 pairs).

Sh. wt. 4.25 lbs. (1.93 kg).

C14019WA

6-mil Plastic Tie Boots. Box of 50 (25 pairs).

Sh. wt. 6 lbs. (2.72 kg).

C17348WA

Sanitary Boot

A disposable, embossed polyethylene boot. It has an elastic top to keep the boot up on the leg. Fits men's shoe size up to 12. 17" H. Heavy duty. 6 mil. Bag of 50. Color may vary.

Sh. wt. 4.50 lbs. (2.04 kg).

C24395WA



Nasco Sterile Gloves

For sterile sampling situations or any laboratory procedure requiring sterile handling, these polyethylene gloves are economical and easy to use. They are packaged one pair in a sealed bag that is perforated for easy opening. Large. Box of 100 pairs. Sh. wt. 3.25 lbs. (1.47 kg).

B01419WA



Shoulder-Length Gloves – Dispenser Pack

Shoulder-length 1¼-mil gloves with watertight, strongly welded seams. Universal size. Convenient dispenser package. Single usage only. Package of 100. Sh. wt. 3 lbs. (1.36 kg).

C06271WA

Nitrile Powder-Free/Latex-Free Disposable Gloves

The perfect solution for those allergic to natural latex protein. These gloves, formulated with 100% synthetic nitrile polymer, are latex-free, powder-free, and odor-free. Textured surface provides strong grip for both wet and dry applications. The unique thermal-sensitive polymer compound absorbs body heat and conforms easily to user's hands; exerts virtually no pressure on the hands and reduces fatigue after extended wear. Box of 100 for sizes small, medium, and large; box of 90 for size X-large. Sh. wt. 1.75 lbs. (0.79 kg).

C20030WA Small

C20031WA Medium

C20032WA Large

C20033WA X-Large





Nasco Meat/Turkey Carcass Sampling Kit

This kit is designed for sampling meat and turkey carcasses to test for the presence of *E. coli*. The kit contains a pair of nonhanded size large sterile polyethylene gloves, 25 ml buffered peptone water (the peptone water has an expiration date marked on the box), a 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, making it easier to transport the template to the carcass. 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. Following USDA instructions, moisten the sponge with half of the peptone water, swab the carcass through the template in three places for meat carcasses and two places on turkeys. Place the sponge back in the bag, add the rest of the peptone water, close the bag, and send to a lab for testing. Box of 25 kits. Sh. wt. 4.25 lbs. (1.93 kg).

BO1324WA



ISO 9001 and
ISO 13485

Nasco Sample Ice Chest

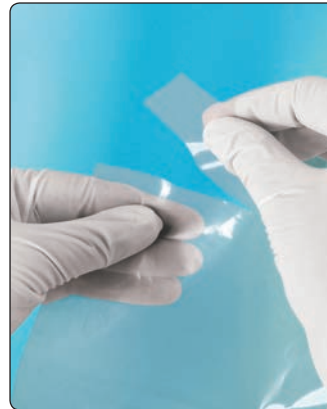
Designed specifically for positive temperature control and proper protection of milk samples.

Features:

- Outside and inside walls made of extremely durable, ABS plastic
- Polyurethane foam insulation in walls and cover
- Recessed carrying grips
- Nonabsorbent, easy to clean
- Auxiliary ice storage compartment. Designed so milk hauler may use ice to surround samples at all times.
- After each stop, a small amount of ice can be packed directly around the sample
- Dimensions with cover: 16" L x 14³/₄" W x 9¹/₂" H (40.6 x 37.5 x 24.1 cm)
- Inside dimensions: 12¹/₄" L x 13⁷/₈" W x 7" H (31.12 x 35.3 x 17.8 cm)
- Color: Pastel green

CO6115WA Ice Chest with Cover. Sh. wt. 12 lbs. (5.44 kg).

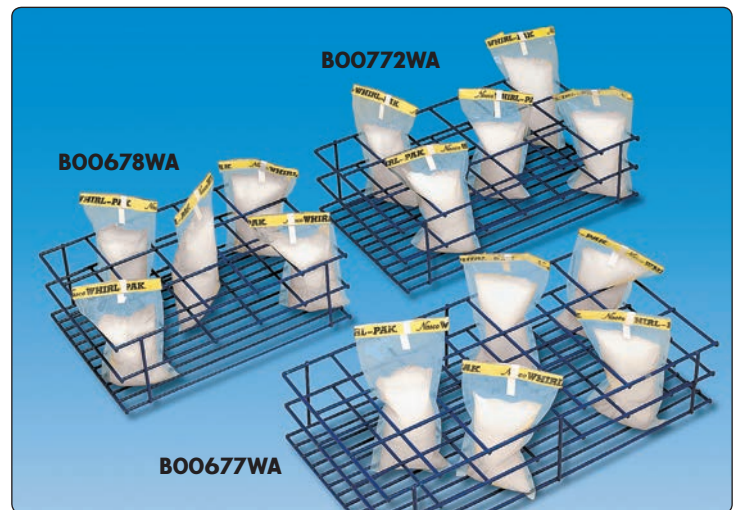
CO6115(A)WA Cover only. Sh. wt. 2.75 lbs. (1.20 kg).



Nasco Poultry Rinse Bag

Specially designed for poultry sampling, to test 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. It will hold small turkeys, chickens, and other similar size poultry. Following USDA instructions, place the bird in the bag, add the buffer, twist the bag shut, and fold it around the bird; with two hands rotate the bird several times to rinse the carcass thoroughly with the buffer. Next, remove the liquid and test for *E. coli*. Film thickness: 2.0 mils (.051 mm). Box of 250 bags. Sh. wt. 13 lbs. (5.90 kg).

BO1319WA



Nasco Racks for Ice Chest

The following racks, holding 4-oz. (118 ml) bags, fit into the Nasco Milk Sample Ice Chest (shown at left), see rack dimensions on page 25.

BOO678WA 15-Compartment Rack. Sh. wt. 0.81 lbs. (0.37 kg).

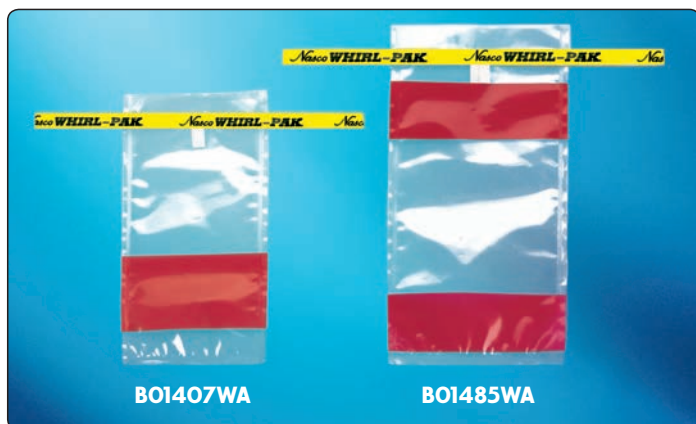
BOO772WA 18-Compartment Rack. Sh. wt. 0.94 lbs. (0.43 kg).

BOO677WA 21-Compartment Rack. Sh. wt. 1.25 lbs. (0.57 kg).

Official Recommendation

According to *Standard Methods for the Examination of Dairy Products*, 16th edition, 1992, section 3.4, Sampling Raw Milk, para. 5b, "Do not expel air when folding or whirling plastic bags...Place samples immediately in a sample case with a mixture of ice and water, and protect them from becoming submerged in water." Whirl-Pak® bags and the Nasco Ice Chest meet both of these requirements.

Dosimeter Bag/Nuclear Sampling



Whirl-Pak® Nuclear Bags (Non-Sterile)

These bags are specially designed to protect a dosimeter from moisture and contamination when working in a nuclear power plant or other hazardous area. The bold, red stripes make the bag highly visible so it will be seen quickly if it falls into the cooling water. The dosimeter can be read easily through the clear polyethylene, so there is no need to remove it. The extra long tabs on the bag make it convenient to attach to coveralls and other clothing. Fold the bag over two to three times to close, and twist the ends of the tab together to secure it in place. The strong polyethylene won't break and is SEG (Scientific Ecology Group) incinerable.

Bags with Wire Tabs

5" W x 10" L (12.5 x 25.4 cm) Nuclear Bag. Two 1½" W (3.8 cm) stripes. 2.5 mils (.064 mm) thick. Sh. wt. 7 lbs. (3.17 kg).

B01485WA

3¾" W x 7" L (9.5 x 18 cm) Nuclear Bag. 2" W (5.1 cm) stripe. 2.25 mils (.057 mm) thick. Sh. wt. 3.50 lbs. (1.58 kg).

B01407WA

Bags without Wire Tabs

5" W x 10" L (12.5 x 25.3 cm) Nuclear Bag. Two 1½" W (3.8 cm) stripes. 2.5 mils (.064 mm) thick. Box of 500. Sh. wt. 6 lbs. (2.72 kg).

B01520WA

6" W x 10" L (15 x 25.4 cm) Nuclear Bag. Two 1½" W (3.8 cm) stripes. 2.5 mils (.064 mm) thick. Box of 500. Sh. wt. 6.50 lbs. (2.95 kg).

B01521WA



Whirl-Pak® Bubble Bag (Non-Sterile)

When shipping sample bottles and other fragile containers, protect them with the Whirl-Pak® Bubble Bag. The container slides into a bubble liner that is placed inside the bag and is protected during shipping and handling. The bubble is ¾" (0.48 cm) high and provides a protective cushion surrounding the container. Pack of 10 bags.

Inside Dimensions: 8" L x 4" W x 2¼" dia. (20.3 x 10.2 x 5.7 cm dia.). 3.0 mils (.076 mm) thick. Sh. wt. 0.25 lbs. (0.11 kg).

B01483WA

Inside Dimensions: 12" L x 9" W x 6" dia. (30.5 x 22.9 x 15.2 cm dia.). 4.0 mils (.102 mm) thick. Has one round wire and one flat wire in the tab for extra strength. Sh. wt. 0.69 lbs. (0.31 kg).

B01484WA



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.** Sh. wt. 7 lbs. (3.17 kg).

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. Sh. wt. 0.50 lbs. (0.23 kg).

B01444WA



Whirl-Pak® Trans-Pak® Specimen Bag (Non-Sterile)

Are the people transporting specimens in your facility fully protected? Be sure with Nasco's Trans-Pak® Biohazard Bag! The Trans-Pak® has a special added feature: a unique outside pouch to separate important patient paperwork from the inside of the bag and the specimen — eliminating misplaced documents! The specimen transport bag also features:

- Biohazard symbol required by OSHA (Occupational Safety and Health Administration)
- Unbreakable polyethylene
- Easy to handle
- Positive closure with "PUNCTURE-PROOF TABS"
- Minimum storage and carrying space

This unique specimen security system has a positive closure that is guaranteed leakproof when properly closed. "PUNCTURE-PROOF TABS" cover the wire ends and protect the bags against piercing. If you want your staff protected, don't settle for anything less than the Whirl-Pak® Trans-Pak® bag, and ensure their safety! The 6" W x 9" L (15 x 23 cm) Trans-Pak® bags are available in boxes of 500. Pouch measures 5 5/8" W x 5 3/4" L (13.7 x 14.6 cm). Sh. wt. 8 lbs. (3.62 kg).

B01253WA



1. Pull tabs to open bag.



2. Place specimen in bag.



3. Fold top of the bag down three times to close.



4. Bend wire ends back to seal bag.



5. Place paperwork in external pouch with patient information facing out.

Security Tape Strip



Security Tape Strip

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. Sh. wt. 0.38 lbs. (0.17 kg).

B01240WA



Easy to apply.



Cannot remove without tearing!



Tissue Storage

Whether transporting tissue samples for analysis or storing them long-term, Whirl-Pak® bags can be used. The variety of sizes available covers a wide range of specimens, and samples may be frozen in the bags even in liquid nitrogen. A formalin caution sticker can be applied to the bag, while the convenient write-on strip makes identification quick and accurate.

Because of the minimal space the bags use, they can be kept in the operating room for easy access. Tissue specimens can be placed in the bag and easily transported to the lab for analysis. Surgical pathology specimens submitted for examination are placed in Whirl-Pak® bags with 10% buffered formalin filled to 1/2 to 2/3 capacity. The tight, positive closure assures protection of the specimen during shipping and storage.



BO1062WA



BO1365WA



Whirl-Pak® "Speci-Sponge®" Bag

Specifically designed for testing clinical surfaces and equipment for the presence of bacteria. This product may be used when testing for nosocomial infections, sampling in surgical suites, nurseries, whirlpools, and pharmacies. After adding diluent and wiping the surface, return the sponge to the bag, and send to a testing laboratory for analysis. The bag is available with or without a sterile, nonhanded, large-size glove attached in a bottom compartment. Bag size: 18 oz. (532 ml), 4 1/2" W x 9" L (11.5 x 23 cm). Box of 100.

BO1245WA Bag only. Sh. wt. 1.75 lbs. (0.79 kg).

BO1392WA Bag with glove. Sh. wt. 3.50 lbs. (1.58 kg).



BO1245WA

BO1392WA

See page 12 for more information



BO1062WA

BO1489WA



Breast Milk Storage

Whirl-Pak® bags work extremely well for storing and freezing breast milk. The 4-oz. (118 ml) write-on bag (**BO1062WA**) and the 7-oz. (207 ml) write-on bag (**BO1489WA**) are compatible with various breast pumps. There is nothing safer than a sterile Whirl-Pak® bag for storing this important infant nourishment.

Whirl-Pak® Black Bags

Whirl-Pak® black bags are opaque and can be used for transporting and storing spinal fluids, amniotic fluids, and other specimens that may be light sensitive. See page 17 for more information.



BO1472WA

Whirl-Pak® Gono Bags

- Developed by the Center for Disease Control in Atlanta and the Alabama State Department of Public Health as a result of their search for an improved isolation system for *Neisseria gonorrhoeae*.
- The Gono Bag method uses smeared Thayer-Martin media in standard 50 mm and 100 mm Petri dishes enclosed in specially made Whirl-Pak® bags with a CO₂ pill. The CO₂ pill liberates the needed CO₂ atmosphere for the proper growth of the *Neisseria gonorrhoeae*.
- These bags may be used in two different ways. Where CO₂ incubators are not available in the system, the smeared Petri dish is placed in the bag with a CO₂ pill and then incubated. The CO₂ remains in the bag sufficiently long to provide the maximum growth of the organisms if present.
- Where CO₂ incubators are available, Gono Bags are ideal for the collector to use to transport smeared plates to the laboratory, or to send the plates by mail or UPS.

(Plates and CO₂ tablets supplied by others)

Whirl-Pak®

Gono Bags. Box of 500 bags.

5 1/4" W x 7 1/2" L (13 x 19 cm) Bag.
Holds 100 x 15 mm culture plate. Sh. wt. 6.50 lbs. (2.95 kg).

BO1018WA

3 3/4" W x 7" L (9.5 x 18 cm) Bag. Holds 50 x 12 mm culture plate. Sh. wt. 3.75 lbs. (1.70 kg).

BO0992WA



BO1018WA

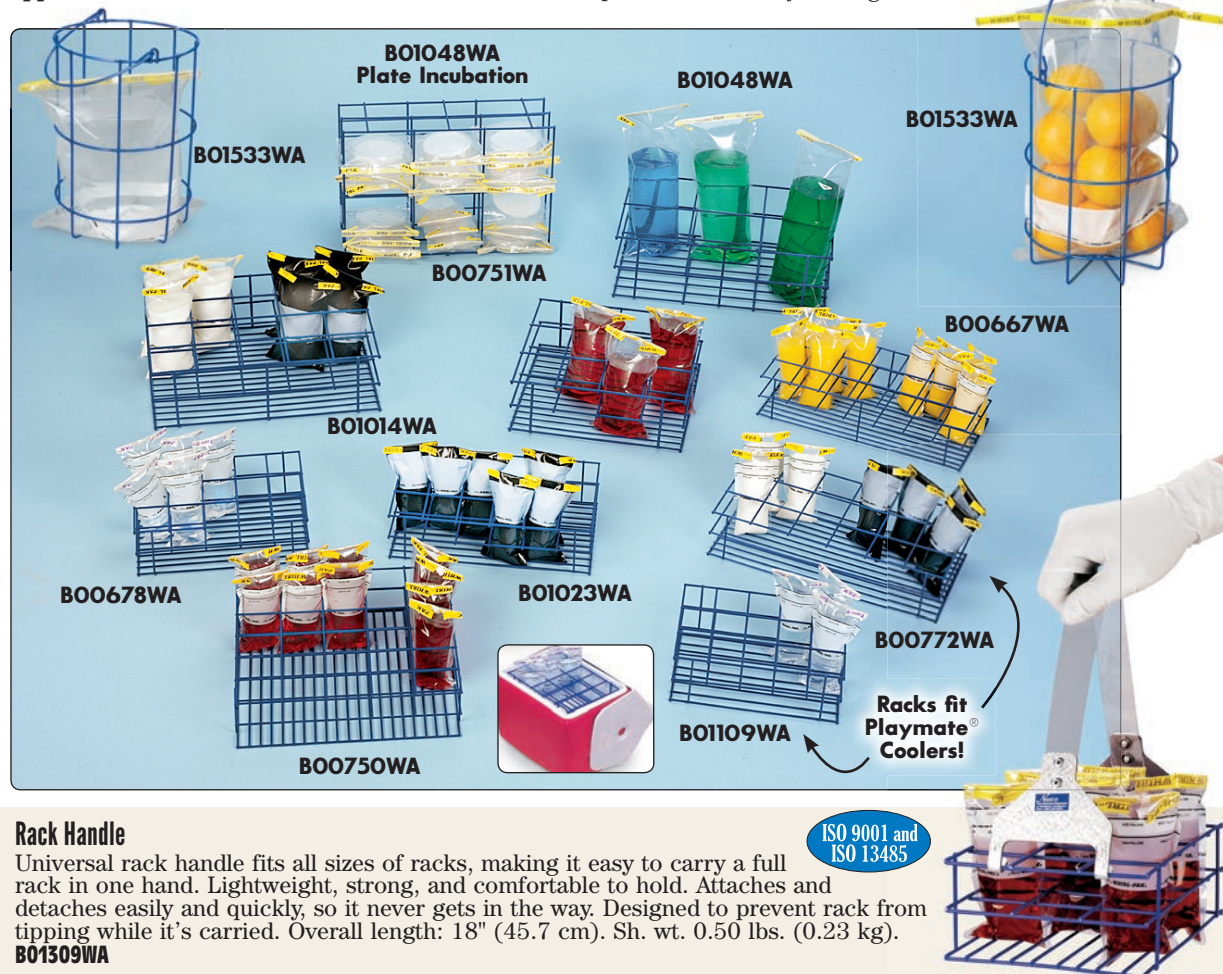
BO0992WA

	Cat. No.	Rack Size		Compartments	Compartment Size		Sh. Wt.	
		in.	cm		in.	cm	lbs.	kg
A.	B00677WA	6½" x 12½" x 3"	16.5 x 31.8 x 7.6	21	1⅝" x 2"	4 x 5	1.25	0.57
B.	B00678WA	6½" x 9" x 3"	16.5 x 23 x 7.6	15	1⅝" x 2"	4 x 5	0.81	0.37
C.	B00750WA	9¾" x 10⅝" x 3"	24.8 x 27 x 7.6	30	1½" x 2"	3.8 x 5	1.50	0.68
D.	B00751WA	10" x 10" x 3½"	25.4 x 25.4 x 9	12	3" x 2⅝"	7.6 x 6	1.50	0.68
E.	B00772WA Fits regular-size Playmate® Cooler	6½" x 10¾" x 3"	16.5 x 27.3 x 7.6	18	1⅝" x 2"	4 x 5	0.94	0.43
F.	B01014WA	13⅜" x 10⅝" x 4"	34 x 27 x 10.2	20	2½" x 2½"	6.4 x 6.4	2	0.91
G.	B01023WA	6½" x 12¾" x 3"	16.5 x 32.4 x 7.6	18	2" x 2"	5 x 5	1.25	0.57
H.	B01048WA	13¾" x 9¼" x 4½"	35 x 23.5 x 11.4	6	4½" x 4½"	11.4 x 11.4	1.75	0.79
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	0.69	0.31
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	0.75	.34
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	1	.45
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	1.1	.50

Bag #	Fits Rack(s)
B00679WA	A, B, C, E, G, I
B00736WA	D, F
B00990WA	D, F, H
B00992WA	A, B, C, E, G, I
B00994WA	D, F, H
B01009WA	A, B, C, E, I
B01018WA	D, F, H
B01020WA	D, H
B01027WA	H
B01040WA	A, B, C, E, G, I
B01062WA	A, B, C, E, G, I
B01063WA	D, H
B01064WA	A, B, C, E, I
B01065WA	D, F
B01067WA	A, B, C, E, I
B01195WA	H
B01196WA	D, H
B01239WA	H
B01253WA	D, F
B01254WA	D, F
B01255WA	D, F
B01297WA	D, H
B01298WA	A, B, C, E, G, I
B01299WA	H
B01318WA	H
B01323WA	H
B01348WA	D, H
B01364WA	A, B, C, E, G, H
B01365WA	D, F
B01385WA	A, B, C, E, G, I
B01401WA	D, H
B01402WA	A, B, C, E, G, I
B01403WA	D, F
B01416WA	H
B01417WA	A, B, C, E, G, I
B01418WA	D, F
B01429WA	D, F
B01445WA	J
B01446WA	K
B01447WA	L
B01448WA	D, F, H
B01449WA	D, F, H
B01450WA	H
B01451WA	H
B01472WA	A, B, C, E, G, I
B01489WA	A, B, C, E, G, I
B01490WA	D, F, H
B01491WA	D, F, H
B01515WA	H
B01532WA	H

Carrying Racks

These racks are specially designed to hold all 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 **rack can be autoclaved. Max dry temperature is 300° F (148° C) and wet temperature 500° F (260° C). Dimensions listed above are approximate.** The B01048WA rack can also be used for plate incubation by turning it on one side.



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). Sh. wt. 0.50 lbs. (0.23 kg).

B01309WA

Nasco Sludge Judge® Series Liquid & Sludge Sampling



A. Open



B. Closed



Optional 2½ ft., 0.80 m Top Section



C14516WA

ISO 9001 and
ISO 13485



CO9249WA (Carry Bag)

The Sludge Judge®

The Sludge Judge® is designed to take accurate readings of **settleable solids, 5% or less**, in a variety of liquids, to any depth. It is ideal for sewage treatment plants, chemical plants, and food processing facilities — anywhere that accurate sample levels of settleable solids in noncaustic materials are needed. The unit holds approximately 3 oz. per foot (89 ml per 0.31 m). The Sludge Judge® comes in 5 ft. (1.53 m) sections of ¾" (1.90 cm) plastic tubing with screw-type connectors. The top section includes a nylon rope for raising and lowering the sampler. Individual sections can be combined as required to achieve the length needed. Do not use in liquids over 165° F (74° C). Sludge Judge® is not autoclavable. A convenient cotton canvas carry bag that holds four sections, a cleaning brush, cleaning rod, and cotton strips are available. One-year warranty. **Do not use to sample ethanol or ethanol-blended motor fuel. See the Nasco Fuel Sampler (B01477WA) on page 28.**

To use:

1. Slowly lower the Sludge Judge® to the bottom of the tank (picture 1).
 - The float valve opens (figure A), allowing materials to flow in. When the bottom has been reached and the pipe has filled to the surface level, tug slightly on the rope as the unit is raised.
 - This sets the check valve (figure B), trapping the mixture inside.
2. When the unit has been raised clear of the liquid, the amount of solids in the sample can be read (picture 2) using the 1 ft. (0.31 m) increments marked on the pipe sections. To release the material in the unit, touch the pin extending from the bottom section against a hard surface. This opens the check valve to drain the sample.

CO9247WA 15-ft. (4.60 m) Sludge Judge®. Complete unit. Sh. wt. 3.25 lbs. (1.47 kg).

CO9249WA Carry Bag for Sampler. Holds four 5-ft. (1.52 m) sections of any Sludge Judge® products. Made of cotton canvas. Sh. wt. 0.88 lbs. (0.40 kg).

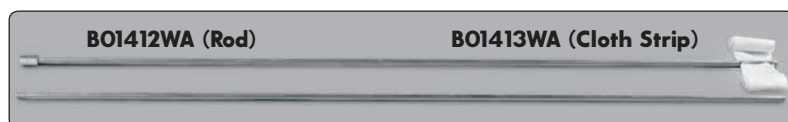
Separate Sections

CO9250WA 5-ft. (1.53 m) Bottom Section with Valve. Sh. wt. 1.50 lbs. (0.68 kg).

CO9251WA 5-ft. (1.53 m) Extension Sections. Sh. wt. 1.50 lbs. (0.68 kg).

CO9252WA 5-ft. (1.53 m) Top Section with Rope. Sh. wt. 1.25 lbs. (0.60 kg).

C14516WA 2½-ft. (0.80 m) Top Section with Rope. Sh. wt. 0.81 lbs. (0.37 kg).



B01412WA (Rod)

B01413WA (Cloth Strip)

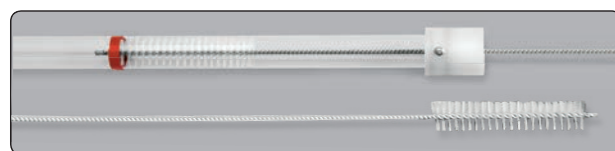
Nasco Cleaning Rod

Occasionally oil, grease, and other materials may form deposits on the inside of the Sludge Judge®. The 6 ft. (1.82 m) aluminum cleaning rod used with cotton strips, mild detergent, and warm water will help remove the debris so the tubing will stay clear, providing accurate sludge readings. The end of the rod has a slot to hold the cleaning strip in place. Disassemble the unit and clean each section separately. Sh. wt. 0.88 lbs. (0.40 kg).

B01412WA

Cotton Cleaning Strips. Bag of 50, 2" x 12" (5.1 x 30.5 cm), for Sludge Judge® and Sludge Judge® Ultra (page 27). Sh. wt. 0.44 lbs. (0.20 kg).

B01413WA



Cleaning Brush

After prolonged use, residue and filmy deposits may build up inside the Sludge Judge®. 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. The brush may not be able to clean oil and grease — see the cleaning rod for this application. Disassemble the unit and clean each section separately. Use for Sludge Judge® and Sludge Judge® Ultra (on page 27). 6 ft. (1.83 m) L. 1" (2.54 cm) dia. bristle. Sh. wt. 0.75 lbs. (0.34 kg).

B01291WA

The Sludge Judge® II - Large Capacity

ISO 9001 and
ISO 13485



B01358WA

B01357WA

B01356WA

B01361WA

The Sludge Judge® II is made from a 1¼" (3.18 cm) outside diameter plastic tubing resulting in double the capacity and a very rigid unit when assembled. **Designed for sampling 5% or less solids.** It holds 6 oz. per foot (178 ml per .31 m) and can be assembled according to the requirements of the job. Add or subtract sections as needed, and the 1-ft. (.31 m) markers on the tubing will help identify the amount of sludge in the tank. The unit is made up of three 5-ft. (1.53 m) sections (top, extension, bottom) or individual sections can be combined as required. The Sludge Judge® is not autoclavable. Carrying case shown on page 26 can be used with this unit. One-year warranty. **Do not use to sample ethanol or ethanol-blended motor fuel. See the Nasco Fuel Sampler (B01477WA) on page 28.**

B01355WA Sludge Judge® II Complete Unit. Sh. wt. 3.75 lbs. (1.70 kg).

B01356WA 5-ft. (1.53 m) Bottom Section with Valve. Sh. wt. 1.50 lbs. (0.68 kg).

B01357WA 5-ft. (1.53 m) Extension Section. Sh. wt. 1.50 lbs. (0.68 kg).

B01358WA 5-ft. (1.53 m) Top Section with Rope. Sh. wt. 1.50 lbs. (0.68 kg).

B01361WA Cleaning Brush

B01412WA Cleaning Rod (page 29)

B01414WA Cotton Cleaning Strips. For Sludge Judge® II. Bag of 50, 3" x 12" (7.6 x 30.5 cm). Sh. wt. 1.25 lbs. (0.57 kg).

ISO 9001 and
ISO 13485

The Sludge Judge® Ultra - Super Strong



B01387WA

B01388WA

B01389WA

For maximum strength and rigidity — use the Sludge Judge® Ultra! **Designed for sampling 5% or less solids**, and is constructed of extremely strong polycarbonate that is treated with an ultraviolet stabilizer to help reduce deterioration from the sun's harmful rays. The material is very rigid, minimizing bending of the unit when it is full of water or other liquids. Durable in cold temperatures; can withstand heat up to 280° F (138° C) with careful handling. The ¾" (1.9 cm) diameter tubing is marked with blue tape to designate 1 ft. (.31 m) measurements on the tubing. Unit is made up of three 5-ft. (1.53 m) sections (top, extension, bottom). Individual sections can be combined as required. The Sludge Judge® is not autoclavable. One-year warranty. **The carrying case, cleaning brush, cleaning rod, and cotton strips shown on page 26 can be used with this unit. Do not use to sample ethanol or ethanol-blended motor fuel. See the Nasco Fuel Sampler (B01477WA) on page 28.**

B01386WA Sludge Judge® Ultra Complete Unit. Sh. wt. 3.75 lbs. (1.47 kg).

B01389WA 5-ft. (1.53 m) Bottom Section with Valve. Sh. wt. 1.75 lbs. (0.79 kg).

B01388WA 5-ft. (1.53 m) Extension Section. Sh. wt. 1.50 lbs. (0.68 kg).

B01387WA 5-ft. (1.53 m) Top Section with Rope. Sh. wt. 1.75 lbs. (0.79 kg).

Extend-A-Vue™ Telescopic Inspection Poles with Mirrors

Avoid entering confined spaces and safely inspect hard-to-access areas with lightweight, durable Extend-A-Vue™ telescopic inspection mirrors. Rugged acrylic mirrors resist scratching and breaking and are available in a variety of sizes. Each mirror is removable for easy storage, cleaning, and replacement. Aluminum extension poles can extend up to 12 feet (3.66 m) long and collapse as short as 3 feet (0.91 m). Mirrors connect to the extendable pole by a convenient swivel joint that allows adjustment to the proper viewing angle up to 180° for easy sight of any object. An optional 8,000 candle power inspection light (sold separately below) swivel-mounts on the pole to aid in viewing dark locations.



B01502WA

Mirror Size	3-6 ft. x 1" dia. (0.91-1.83 m x 2.5 cm) Pole with Mirror	4-12 ft. x 2" dia. (1.22-3.66 m x 5 cm) Pole with Mirror	Replacement Mirror
4" x 6" (10 x 15 cm)	B01496WA	B01499WA	B01502WA
6" x 6" (15 x 15 cm)	B01497WA	B01510WA	B01503WA
8" x 10" (20 x 25 cm)	B01498WA	B01501WA	B01504WA
Sh. wt.:	1.25 lbs. (0.57 kg)	3.50 lbs. (1.58 kg)	1.25 lbs. (0.57 kg)



B01509WA

B01497WA

B01501WA

Inspection Light Kit. Conveniently mounts on the extension pole above. Right angle head with photo-luminescent shroud. Includes mounting bracket and clamp. 1 watt LED bulb. Requires four "AA" batteries (included). Sh. wt. 1.25 lbs. (0.57 kg).

B01509WA

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) or the Nasco Cleaning Rod (B01412WA) and Cloth Strips (B01413WA), all shown on page 26. Sh. wt. 4.50 lbs. (2.04 kg).

B01477WA**B01096WA 10-ft. (3.05 m) Tank Sampler.** Sh. wt. 2.50 lbs. (1.13 kg).**C09249WA Case for Sampler.** Holds four 5-ft. (1.52 m) sections of any Sludge Judge® products. Made of cotton canvas. Sh. wt. 0.88 lbs. (0.40 kg).**Nasco Tank Sampler – Specific Depth Sampling**

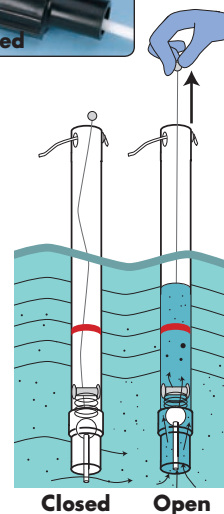
Taking a sample at a specific depth is easy with Nasco's Tank Sampler. Available as a 10-ft., 3.05 m unit, it is made up of two 5-ft. (1.53 m) sections that screw together. An extension section is available to make the unit longer. The sampler is made of a tough, 3/4" (1.9 cm) diameter, special plastic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

To use:

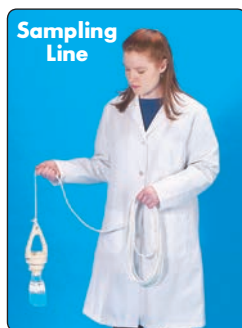
1. Screw the two sections together and lower the unit to the specific depth required. The sampler is marked in 1 ft. (.3 m) increments.
2. Pull and hold the stainless steel wire at the top (figure A), which opens the valve (figure B), allowing the liquid to flow in.
3. Release the wire allowing the valve to close (figure C), trapping the sample inside.
4. To release the sample, hold the sampler in the middle at about a 15° angle and pull the wire, holding the end over an appropriate container (Whirl-Pak® bag), or press and hold the pin on the bottom against a hard surface such as the bottom of a pail. This will release the valve and the sample will flow out. The sampler is not autoclavable, do not use at temperatures over 165° F (74° C).

B01096WA 10-ft. (3.05 m) Tank Sampler. Sh. wt. 2.50 lbs. (1.13 kg).**C09249WA Case for Sampler.** Holds four 5-ft. (1.52 m) sections of any Sludge Judge® products. Made of cotton canvas. Sh. wt. 0.88 lbs. (0.40 kg).**Section Extension**

Extension sections in 5-ft. (1.53 m) lengths are available to extend the Sampler and come 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. Sh. wt. 1.50 lbs. (0.68 kg).

B01097WA**Nasco Sampling Pole 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. Sh. wt. 5.50 lbs. (2.49 kg).

B01367WA**Nasco Sampling Line for Whirl-Pak® Bags**

If the liquid is a long way down, use the Whirl-Pak® sampling line to reach it. With 25 ft. (7.62 m) of nylon rope, this unit will go a long way to collect a sample — and more line can be added if necessary. The heavy urethane bag holder will submerge the bag below the surface for easy sample collection. Specially designed to hold bags up to 69 oz. (2,041 ml). 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 unit comes in a convenient carrying case with three sizes of retainer rings to hold the bag. Sh. wt. 3.50 lbs. (1.58 kg).

B01368WA



BO1098WA

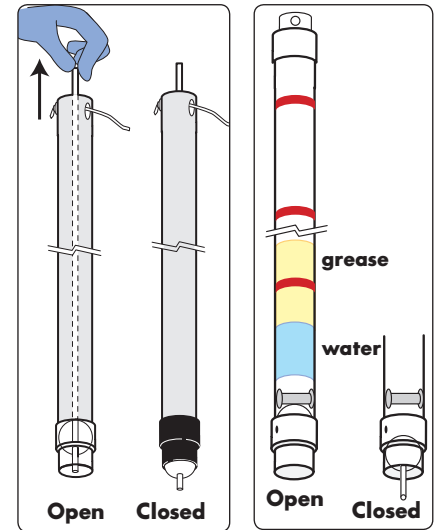
Nasco Coliwasa-Composite Liquid Waste Sampler

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. Sh. wt. 2 lbs. (0.91 kg).

To use:

1. Push down and hold the rod at the top to close the valve.
2. Lower the COLIWASA to the proper level and pull up on the rod approximately 2"-3" (5-8 cm) to open the valve and collect the sample.
3. Push the rod down to close the valve and remove the sampler from liquid. Pull up on the rod to empty the sample into an appropriate container.
4. Or hold the valve slightly open while submersing the COLIWASA into the liquid to collect the sample from the surface down to the desired level. Push the valve closed, remove from the liquid, and empty into a container.

BO1098WA

ISO 9001 and
ISO 13485

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. It will 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. Optional extension section and cleaning tools available, see below. Sh. wt. 3 lbs. (1.40 kg).

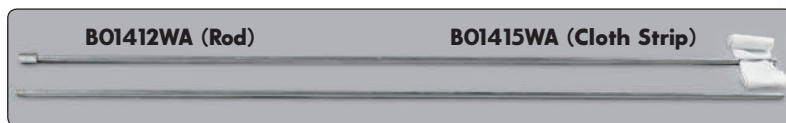
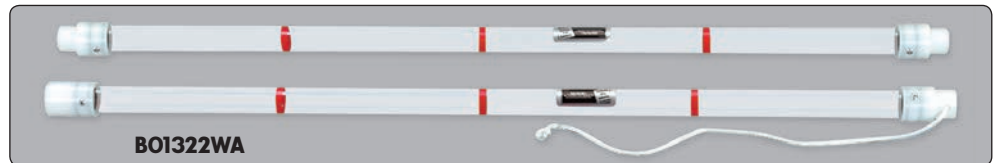
BO1322WA

BO1349WA 4-ft. (1.22 m) Extension Section. Sh. wt. 2.25 lbs. (1.02 kg).

BO1479WA Top Section Only. Sh. wt. 1.50 lbs. (0.70 kg).

BO1480WA Bottom Section Only. Sh. wt. 1.50 lbs. (0.70 kg).

BO1322WA

ISO 9001 and
ISO 13485

Nasco Cleaning Rod

For cleaning greasy residue from inside the Grease Trap Sampler, this cleaning rod is designed to make the job go quick and easy. It is 6-ft. (1.82 m) long, made of solid aluminum in two pieces that screw together. A slot on the end holds a cotton strip in place. Use with warm water and mild detergent. Disassemble the sampler and clean each section separately. Sh. wt. 0.88 lbs. (0.40 kg).

BO1412WA

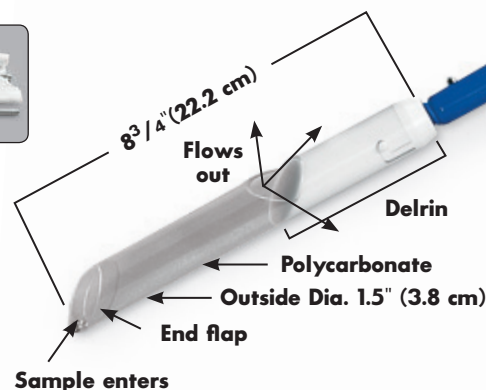
BO1415WA Bag of 50 Strips. 6" x 12" (15.20 x 30.50 cm). Sh. wt. 1.25 lbs. (0.57 kg).

Nasco Cleaning Brush

4½-ft. (1.38 m) long, steel wire handle with

polyester bristles, it will loosen grimy residue and deposits that may accumulate inside the tubing. Use with warm water and mild detergent. Disassemble the sampler and clean each section separately. Sh. wt. 0.44 lbs. (0.20 kg).

BO1346WA



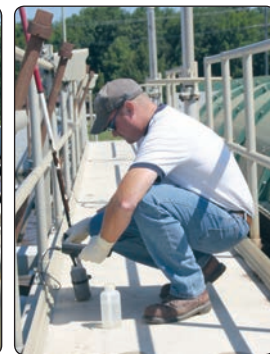
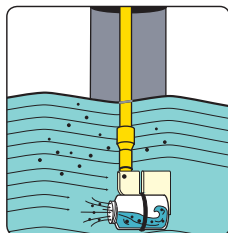
Sample enters

Nasco Dry Depth Sampler

When it is necessary to collect a sample of dry material such as grain, corn, pellets, etc. at a specific depth, the Nasco Dry Depth sampler will get the job done. The unique sampler head is screwed onto the end of a 6 ft. (1.83 m) adjustable aluminum pole that extends to 12 ft. (3.66 m). Adjust the pole to the correct length, and push the sampler down into the material allowing it to flow through the collection head until the proper depth has been reached. As the sampler is pulled out of the material, the end flap closes and the sample stays inside. Turn the sampler slightly to empty the contents into a Whirl-Pak® bag or other suitable container. Approx. volume: 4 oz. (118 ml). Sh. wt. 2.25 lbs. (1.02 kg).

BO1476WA





Testing water at Bad Axe, MI



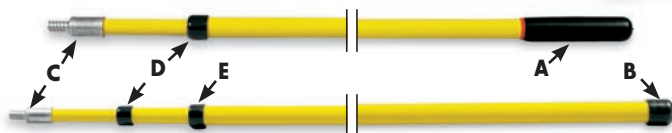
ISO 9001 and
ISO 13485

Nasco Sludge Nabber

The Nasco Sludge Nabber makes sample collection of liquids fast and easy. It has an adjustable aluminum pole that extends from 4 to 6½ feet (1.22 to 1.99 m), making it easy to reach the liquid to be sampled and carried. The Sludge Nabber is ideally suited for numerous sampling requirements including chlorine in solution. Sample bottles of various sizes (250 ml to 1000 ml) are held in a polyurethane holder by a plastic snapper ring that has an adjustable locking device. Whether testing for chlorine, BOD (biochemical oxygen demand), or SS (suspended solids), the Sludge Nabber's flexibility with holding various bottles, and its adjustable length, allows for effortless sampling. Unit comes with a 500 ml polyethylene bottle. See accessories below. One-year warranty. Sh. wt. 3 lbs. (1.36 kg).

B01229WA

B01310WA



Nasco Swing Sampler

When collecting a sample from a horizontal flowing stream, such as a sewer, the Nasco Swing Sampler is specially designed for this application!

- The end of the sampler swings, allowing collection from different angles, including 90°.
- The 6-ft. (1.83 m) adjustable fiberglass pole extends to 12 ft. (3.66 m) and the 8-ft. (2.44 m) pole extends to 24 ft. (7.32 m) providing a long length for any sampling situation.
- Unit comes with a 960 ml polyethylene bottle and the cover has a vinyl liner for leak-proof protection. The bottle is attached to a polyurethane holder and is held in place with a plastic snapper ring that has an adjustable locking device. Other types of bottles may be used but a different type of fastener may be required to hold the bottle in place. One-year warranty.

12-ft. (3.66 m) Swing Sampler.

Sh. wt. 5.50 lbs. (2.49 kg).
B01310WA

24-ft. (7.32 m) Swing Sampler.

Sh. wt. 10 lbs. (4.50 kg).
B01366WA

ISO 9001 and
ISO 13485

Replacement Parts

6-ft. Pole Plastic Grip (A). Sh. wt. 0.31 lbs. (0.14 kg).

B01529WA

8-ft. Pole End Cap (B). Sh. wt. 0.06 lbs. (0.03 kg).

B01530WA

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

Sh. wt. 0.38 lbs. (0.17 kg).

B01531WA

Pole Lock Replacement Kits

Kit 1. For use with B01310WA, B01366WA (smaller pole section D), and B01367WA (page 28).

Sh. wt. 0.19 lbs (0.09 kg).

B01456WA

Kit 2. For use with B01366WA (larger pole section E).

Sh. wt. 0.31 lbs (0.14 kg).

B01527WA



B01456WA

Accessories for Swing Sampler & Sludge Nabber

Snapper Attachments

Durable plastic locking rings hold sample bottle securely.

Small Snapper. Holds 500 ml bottle.

Sh. wt. 0.06 lbs. (0.03 kg).

B01219WA

Large Snapper. Holds 960 ml bottle.

Sh. wt. 0.13 lbs.

(0.01 kg).

B01220WA



B01219WA B01220WA



B01243WA B01244WA

Wide-Mouth Bottles

The bottles are made from a food-grade, high-density polyethylene in a natural color. 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. Sh. wt. 1.25 lbs. (0.57 kg).

B01244WA 960 ml bottle. Pkg. of 12. Sh. wt. 1.75 lbs. (0.79 kg).

Settleometer Kit

This kit is used in water and wastewater treatment to evaluate sludge quality and settling. It also indicates solid/liquid separation characteristics of sludge samples. The kit includes an acrylic settleometer, wide mixing paddle, snap-on lid, and instructions. It is calibrated in percent and settled sludge volume (SSV). Bright, white markings contrast vividly with dark sludges, allowing easy-to-read interface. Yields information which closely approximates settling in secondary clarifiers and aerobic digesters. The beaker holds 47.3 oz. (1.41 L), measures 4½" (11.4 cm) in diameter, and is 8½" (21.6 cm) tall. Sh. wt. 1.25 lbs. (0.57 kg).

B01173WA





Polypropylene Graduated Bottles

Non-sterile, high-performance polypropylene bottles are ideal for a wide range of liquids and solids. Autoclavable, leakproof construction with high chemical resistance. Printed with large white marking space for clear, easy, and safe labeling. Wide mouth for easy filling with clear, printed graduations showing milliliters and fluid ounces, allowing estimation of volumes remaining and/or decanted. High-clarity polypropylene allows easy viewing of the fluid level.

BO1466WA 2 oz. (60 ml). 3¼" (8.2 cm) high. Sh. wt. 0.31 lbs. (0.14 kg).

BO1467WA 4 oz. (125 ml). 3¾" (9.9 cm) high. Sh. wt. 0.38 lbs. (0.17 kg).

BO1468WA 8 oz. (250 ml). 5¾" (14.5 cm) high. Sh. wt. 0.50 lbs. (0.23 kg).

BO1469WA 16 oz. (500 ml). 6½" (16.5 cm) high. Sh. wt. 0.63 lbs. (0.29 kg).

BO1470WA 32 oz. (1,000 ml). 8¼" (20.9 cm) high. Sh. wt. 0.75 lbs. (0.34 kg).

Featured Products

DYNALON
ABWARE



Graduations
on the cup



Double
pour spouts

BO1263WA

BO1265WA

BO1266WA

BO1267WA

Polyethylene Dippers

High-density polyethylene dippers for removing samples from large tanks. Lightweight and durable. Comfortable, secure hand grip. 12-ft. (3.66 m) handle (two pieces) has a wood core. Has two pour spouts and graduations, PVC grip handle. Dippers are not autoclavable.

BO1263WA 16 oz. (500 ml), 3-ft. (0.91 m) Handle. 4" (10.2 cm) dia. Sh. wt. 2.25 lbs. (1.10 kg).

BO1264WA 16 oz. (500 ml), 6-ft. (1.83 m) Handle. 4" (10.2 cm) dia. Sh. wt. 3 lbs. (1.36 kg).

BO1265WA 16 oz. (500 ml), 12-ft. (3.66 m) Handle. 4" (10.2 cm) dia. Sh. wt. 7 lbs. (3.20 kg).

BO1266WA 32 oz. (1,000 ml), 3-ft. (0.91 m) Handle. 5⅜" (13.7 cm) dia. Sh. wt. 3 lbs. (1.36 kg).

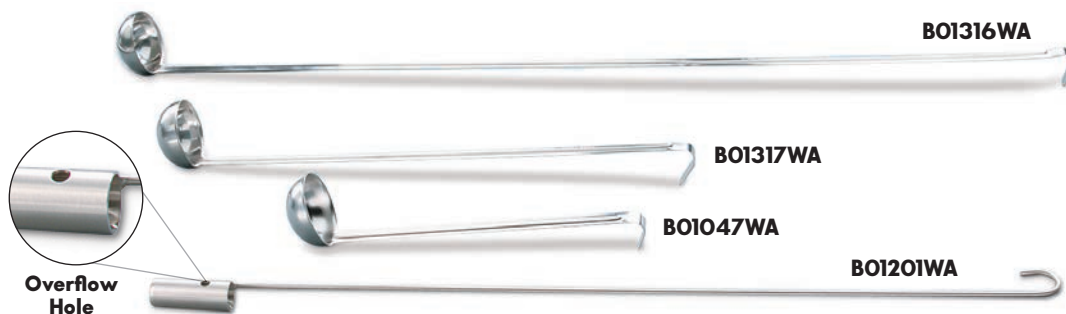
BO1267WA 32 oz. (1,000 ml), 6-ft. (1.83 m) Handle. 5⅜" (13.7 cm) dia. Sh. wt. 5 lbs. (2.26 kg).

BO1268WA 32 oz. (1,000 ml), 12-ft. (3.66 m) Handle. 5⅜" (13.7 cm) dia., (not pictured). Sh. wt. 8 lbs. (3.62 kg).

BO1264WA

Stainless Steel Dippers

Carefully made, 18-8 stainless steel sample collection dippers suitable for use with most liquids. Quality material and fine workmanship make these dippers long lasting and economical. Dippers BO1047WA, BO1317WA, and BO1316WA are made of one-piece construction with no joints or grooves to collect sample residue. Can withstand temperatures up to 800°C. NSF approved for use in the food industry (NSF is an international organization that develops standards and certifies products and services for public health and safety).



BO1316WA & BO1317WA

BO1047WA 0.68 oz. (20 ml). 27" (0.68 cm) Handle. Designed for use in the dairy industry, this dipper has an overflow hole and hooked handle. Outside diameter of bowl is approx. 1" (25 mm). Sh. wt. 0.50 lbs. (0.23 kg).

BO1201WA

2 oz. (60 ml), 10½" (26.7 cm) Handle. Outside diameter of bowl is approx. 2⅝" (66 mm). Sh. wt. 0.31 lbs. (0.14 kg).

BO1047WA

2 oz. (60 ml), 18" (45.7 cm) Handle. Outside diameter of bowl is approx. 2⅝" (66 mm), two pour spouts. Sh. wt. 0.38 lbs. (0.17 kg).

BO1317WA

2 oz. (60 ml), 36" (91.4 cm) Handle. Outside diameter of bowl is approx. 2⅝" (66 mm), two pour spouts. Sh. wt. 0.44 lbs. (0.20 kg).

BO1316WA



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, 4 1/4" (10.8 cm) L. Sh. wt. 2 lbs. (0.91 kg).

B01409WA

**Ridged surface
assures a secure
grip!**



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. Sh. wt. 2 lbs. (0.91 kg).

B01408WA



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.

8 1/2" (21.6 cm) Scoop.

8-oz. (250 ml) capacity.
Sh. wt. 15 lbs. (6.80 kg).

B01161WA

8 11/16" (22.1 cm) Scoop.

4-oz. (125 ml) capacity.
Sh. wt. 6.50 lbs. (2.95 kg).

B01160WA

8" (20.3 cm) Scoop.

2-oz. (60 ml) capacity.
Sh. wt. 4.75 lbs. (2.15 kg).

B01159WA

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. Sh. wt. 6 lbs. (2.72 kg).

B01306WA



Featured Products



B01512WA



B01513WA



B01514WA

Sterileware® Sterilized Sense-able™ Detectable Scoops

These scoops can be detected by standard metal detection and x-ray equipment. The proprietary formula is uniformly distributed throughout the entire scoop — any part of the scoop can be detected at proper settings. 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. The black color of the scoops provides enhanced color contrast with material and reduces the chance that scoops will be accidentally left behind in the product. 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).

Sh. wt. 4.50 lbs. (2.04 kg).

B01513WA 4 oz. (125 ml).

Sh. wt. 8 lbs. (3.62 kg).

B01514WA 8 oz. (250 ml).

Sh. wt. 16 lbs. (7.26 kg).



B01161WA



B01160WA



B01159WA



B01306WA

Nasco Sterilized Spoons and Sporks

Where sterile techniques are required for collection of samples, these gas sterilized spoons and sporks are ideal for use with Whirl-Pak® bags.

These easy-to-use spoons and sporks are made of sturdy, durable polystyrene.

The procedure for contamination-free use is to open the bag, push one spoon or spork up, pull it out, and reclose the bag. Spoons and sporks are packed 20 per bag. Free sample pack of 20 is available on request.

Spoons. Box of 100. Sh. wt. 1.25 lbs. (0.57 kg).

B01041(A)WA

Sporks. Box of 100. Sh. wt. 0.88 lbs. (0.40 kg).

B01042(A)WA



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.

16-oz. (472 ml) Polyethylene Scoop. Round bottom. Pack of 50 scoops.

Sh. wt. 7 lbs. (3.17 kg).

B01459WA

32-oz. (946 ml) Polystyrene Scoop. Flat bottom. Pack of 25 scoops. Sh. wt. 14 lbs. (6.35 kg).

B01460WA

82-oz. (2,425 ml) Polystyrene Scoop. Flat bottom. Pack of 24 scoops. Sh. wt. 19 lbs. (8.62 kg).

B01461WA



B01459WA



B01460WA



B01461WA

Featured Products

The products listed below are autoclavable.

BIOSCIENCE INTERNATIONAL

Innovative Microbiology Products

Mipaw Powder Sampler

Complies with IDF (International Dairy Federation) specifications for sampling of powdered milk. Also ideal for sampling flour, sand, cement, and similar products. Constructed of chromium plated brass with light alloy handle. Total length: 18" (45.7 cm). Sh. wt. 1.50 lbs. (0.68 kg).

B01334WA

Multipro Sector Probe

An important tool for sampling powders, pellets, and other friable materials which may become non-homogeneous in the container. It is made of anodized aluminum and has a sharp stainless steel point. The T-handle is turned to close the ports and the point is inserted through the bag or directly into the bulk material far enough to cover all the ports. The handle is turned halfway, opening the cells to collect the sample, then turned back to close, and the sampler is removed.

Cat. No.	No. of Ports	Length of Sampler*	Port Length*	Port Width*	Volume (oz.=U.S. liquid)	Sh. Wt.
B01152WA	3	22" (56 cm)	3" (7.62 cm)	3/8" (0.95 cm)	0.68 oz. (20 cc)	1.25 lbs. (0.57 kg)
B01430WA	3	34" (86 cm)	3 3/4" (9.53 cm)	3/8" (0.95 cm)	0.85 oz. (25 cc)	1.50 lbs. (0.68 kg)
B01431WA	5	61" (156 cm)	4" (10.16 cm)	3/8" (0.95 cm)	1.12 oz. (33 cc)	2 lbs. (0.91 kg)

*Dimensions are approximate.

"Dip" Dipper

Used for liquid sampling. The cup and tubular handle with finger grips allow for immersion into cans, bottles, tanks, vats, etc. A center rod with a finger ring activates a valve on the bottom of the cup for rapid and convenient emptying. Ideal for sampling milk, cream, whey, fruit juices, water, and liquids in general. Constructed of chrome-plated brass.

1.8 oz. (50 ml) Capacity. 17" (43 cm) length for immersion. Overall length: 19" (490 mm). Container measures: 3" L x 1" dia. (78 x 32 mm). Sh. wt. 3.50 lbs. (1.58 kg).

B01516WA

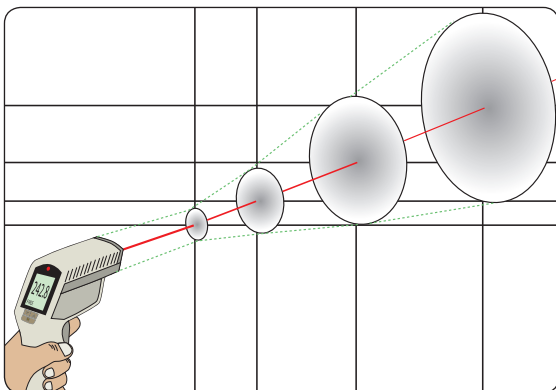
3.5 oz. (100 ml) Capacity. 18" (50 cm) length for immersion. Overall length: 20" (510 mm). Container measures: 4" L x 2 1/2" dia. (100 x 40 mm). Sh. wt. 0.88 lbs. (0.40 kg).

B01335WA

Pic Sampler Probe

Especially useful for single samples from polyethylene or paper bags, the needle point sampler punctures the bag with minimum damage, enters a maximum of 11" (28 cm), and is pulled out with sample ready to be poured out through the hollow handle. Made of stainless steel with an anodized aluminum handle. Overall length is 16" (40.6 cm) with a 7/8" (19 mm) dia. Sh. wt. 0.50 lbs. (0.23 kg).

B01153WA



MiniTemp® Noncontact Thermometer

By using infrared technology, this thermometer can read the surface temperature of various materials up close or from a distance. To use, aim at the surface, pull the trigger, and read the temperature on the large, backlit LCD display, selecting either °F or °C. Safely measure hot, hazardous, or hard-to-reach materials without contaminating or damaging the material's surface. Distance to spot size: 8:1. Temperature range: 0° to 525° F (-18° to -275° C). Repeatability: ±2%. Accuracy: ±3.5° F (±2° C). Dimensions: 6" x 4" x 1 1/2" (15.2 x 10.2 x 3.8 cm). Thermometer can be certified to NIST/DKD standards by outside organizations. Sh. wt. 2.25 lbs. (1.02 kg).

B01376WA

pH Meters, Timer, Soil Sampling, Stainless Steel Scoop

pH/Temperature Pocket Meter

Test both pH and temperature simultaneously and see the results in seconds with this waterproof pocket meter. The battery level indicator tells the battery life remaining, while the stability indicator tells when the pH measurement is stable. Automatic calibration to known standards assures greater accuracy of measurement and the electrode can be replaced simply by pulling the cloth junction to rejuvenate it. Measures pH from 0.0-14.0, temperature 32-140° F (0-60° C), accuracy @ 28° F (20° C) is ± 0.1 for pH and $\pm 1^\circ$ F ($.5^\circ$ C) for temperature. Unit size is $6\frac{7}{16}$ " x $1\frac{1}{8}$ " x 1" (16.5 x 4.1 x 2.5 cm). One-year warranty. Sh. wt. 1.25 lbs. (0.57 kg).

B01410WA



pHep Electronic pH Tester

The latest technological innovation that provides a practical alternative to pH litmus paper. This handy, easy-to-use, high-tech instrument does the work of hundreds of rolls of indicator paper. The battery-operated unit features an easy-to-read digital display and an accuracy of 0.1 pH. Ideal for testing pH in food processing, swimming pools, etc. As with all pH meters, calibration solution is recommended before every test. Battery life: approximately 400 hours. Range: 0-14 pH. Dimensions: 7.9" L x 1.8" W x 1" H (20 x 4.57 x 2.54 cm). Sh. wt. 0.38 lbs. (0.17 kg).

B01138WA



Calibration Solutions

Easy-to-use 20 ml packets of each solution for pH 4, pH 7, and pH 10. Open the packet and dip the meter in to calibrate. Can be used for both B01410WA (above) and B01138WA (above right).

Five packets of each for pH 4 and pH 7. Sh. wt. 1.50 lbs. (0.68 kg).

SB28993WA

Five packets of each for pH 7 and pH 10. Sh. wt. 1.50 lbs. (0.68 kg).

SB28992WA

West Bend® Electronic Triple Timer®/Clock

Time three activities at once. Continuous running clock displays hours, minutes, and seconds; AM/PM mode. Lightweight, compact timer features LCD digital display. Three timing channels; counts to and from 100 hours — with three distinctive alarms. Clip, stand, magnet, and hanging hole for versatile use. Includes two "AAA" batteries. Sh. wt. 0.38 lbs. (0.17 kg).

WA20779WA



Soil Sample Bag

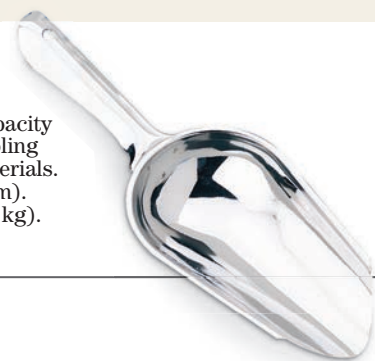
This bag is used for sample submission for analytical assessment. Bag has square bottom that is heat sealed, making it sift proof. Has a volume of approximately 28 oz. (828 ml). Constructed of 50-lb. white clay-coated paper with .5-mil polyethylene liner. Comes with tin tie (attached). Bag measures $3\frac{3}{8}$ " W x $2\frac{1}{2}$ " gusset x $7\frac{3}{4}$ " H (8.56 x 6.35 x 19.7 cm). Box of 1,000. Sh. wt. 26 lbs. (11.79 kg).

B01528WA

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 $2\frac{1}{2}$ " W x 9" L (6.4 x 23 cm). Pack of 12. Sh. wt. 3.50 lbs. (1.58 kg).

B01344WA



CO9000WA



CO9414WA

Soil Sampling Kits

These Soil Sampling Kits are made with the finest workmanship and materials. Augers and sampling tube parts are finely machined for smooth, easy sampling, and easily taken apart. Parts are marked at 6" intervals to indicate sampling depth.

36" (0.92 m) Hoffer Soil Sampler

The sampler has an exclusive drawn probe cup, which gives an accurate profile of the soil for the entire depth of the sampler. The polished surface is triple-plated with copper, nickel, and chromium to give complete corrosion resistance. It wipes clean, ready for another sample. The exclusive drawn probe cuts a soil core slightly smaller than the diameter of the tube, enabling the core to rise in the tube without breaking as the sampler is pushed into the soil. Profile opening $1\frac{1}{4}$ " (36.2 cm), diameter approximately 1" (2.54 cm).

Sh. wt. 1.75 lbs. (0.79 kg).

CO9000WA

Deluxe Soil Probe

Simplify your sampling procedures with this heavy-duty soil probe with an easy-to-use foot stand for penetrating hard soils. The hand plunger easily ejects a soil sample from the heavy tube. This 36" (0.92 m) long tool takes a full 10" (0.26 m) core sample, 1" (2.54 cm) in diameter. Made of heavy-gauge steel, nickel-plated for long life. Sh. wt. 4.50 lbs. (2.04 kg).

CO9414WA

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Whirl-Pak® Sample Bags

The Choice is CLEAR!



500, 207mL Whirl-Pak® Bags

- Guaranteed sterile
- Uses .03 cubic meter of shelf space
- Easy disposal
- Unbreakable
- Lower shipping costs
- Self-standing bags available
- Self-closing
- Carry in one hand
- Lower total cost
- Manufactured Under ISO9001 Quality System

500, 207mL Beakers

- Not sterile
- Uses .35 cubic meter of shelf space
- Additional disposal costs
- Breakable
- Higher shipping costs
- Extra cleaning costs
- Separate cover needed
- Requires two hands to carry
- Higher total cost



Stacey Haywood
Whirl-Pak® Sales

SPECTRUM
Nasco

150 Pony Drive
Newmarket, ON L3Y 7B6
Canada
Tel: 1-800-668-0600, ext. 4918
Cell: 1-905-717-0360
Fax: 1-800-668-0602
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Dedicated to Delivery

Perforated for easy opening.

Inner & outer tapes for longevity.

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PUNCTURE-PROOF TABS

A patented process extends the tape past the wire ends, eliminating the sharp points which can cause bag and glove puncture and scratching of skin.

Pull tabs protect sterility when opening.



Double wires for easy opening, pouring, & closing.

Write-on area for easy identification.



Blended virgin polyethylene film is gas sterilized after manufacturing.

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