STERILIZED SAMPLE COLLECTION AND PROCESSING BAGS

Ideal for:
- biomedical
- dairy
- environmental
- food & beverage
- forensic science
- genetics
- industrial markets
- medical
- pharmaceutical
- research
- soil
- surface
- veterinary
- water

2019 Product Guide
Whirl-Pak® is proud to celebrate 60 years as a trusted partner to our customers around the world by providing quality, dependable, sterilized sample and collection products.

Thank you for partnering with us as we continue our commitment to innovation by providing best-in-class features like post-manufacturing sterilization and puncture-proof closure tabs.

Because of you, our valued customers, Whirl-Pak® has become recognized as the Gold Standard in a world with critical and demanding sample integrity requirements.

At Whirl-Pak®, we believe in never sacrificing standards, whether in premium product quality, dedicated customer service, or our best-in-class guarantee.
Whirl-Pak® sterilized sampling bags are ideal for food & beverage, dairy, water, medical, veterinary, environmental, soil, and industrial markets as well as surface, forensic science, genetics, biomedical, and pharmaceutical sampling.

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

Whirl-Pak® sterilized sampling bags are R-Nase, D-Nase, Pyrogen and BPH free and comply with regulatory and industrial requirements:
• Puncture-Proof Closure Tabs: Eliminate sharp points which could puncture the bags, scratch a person’s hands, or puncture gloves. The “PUNCTURE-PROOF TABS” process is patented under No. 5,180,229.

• Guaranteed Sterile: +1 Sterilization® — process of sterilizing sealed cartons of Whirl-Pak® bags after manufacturing, which is completed at an independent ISO-certified facility.

• Sterility Traceability: Download sterility certificates from whirl-pak.com using the lot number and master number on every box.

• Film: Exceptionally clear film and superior strength by using co-extrusion low-density and linear low-density, virgin polyethylene.

• Leak-Proof Closure: Whirling or folding the bag over three times and securing with the closure tabs creates a leak-proof sampling container.

• Reduced Storage and Shipping: Whirl-Pak® bags can save you $$$ as they require less space vs. other sampling containers, which saves on shipping, storage, and waste costs.
500 BAGS vs. 500 BOTTLES

Label your sample if using a write-on bag.

To open, tear off the top along the perforation.

Use the Tyvek® pull tabs to open without contamination.

Place sample in bag. Perfect for liquids or solids.

Hold bag by the tabs and whirl 3 to 4 times to make a seal.

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

Secure closure, bend wire ends.

Or, bring the two wire ends together and twist tie them.

HOW DOES WHIRL-PAK® WORK?

Uses less shelf space

Easier disposal

Durable

Lower shipping costs

Built-in closure

Lower total cost

*Only bags in the industry ISO13485:2016 certified
STANDARD BAGS

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 is required after freezing.

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

STANDARD BAGS

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>WIRE STYLE</th>
<th>CAPACITY</th>
<th>SIZE</th>
<th>THICKNESS</th>
<th>BAGS/BOX</th>
<th>COMPATIBLE RACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>B00099WA</td>
<td>Round</td>
<td>2 oz.</td>
<td>58 ml</td>
<td>3” W x 5&quot; L</td>
<td>75 x 12.5 cm</td>
<td>2.25 mils</td>
</tr>
<tr>
<td>B00067WA</td>
<td>Round</td>
<td>4 oz.</td>
<td>118 ml</td>
<td>3” W x 7½” L</td>
<td>75 x 18.5 cm</td>
<td>2.25 mils</td>
</tr>
<tr>
<td>B00992WA</td>
<td>Round</td>
<td>7 oz.</td>
<td>207 ml</td>
<td>3½” W x 7” L</td>
<td>9.5 x 18 cm</td>
<td>3 mils</td>
</tr>
<tr>
<td>B00101WA</td>
<td>Round</td>
<td>13 oz.</td>
<td>384 ml</td>
<td>5½” W x 7¼” L</td>
<td>13 x 19 cm</td>
<td>3 mils</td>
</tr>
<tr>
<td>B00763WA</td>
<td>Round</td>
<td>18 oz.</td>
<td>532 ml</td>
<td>4½” W x 9” L</td>
<td>8.5 x 23 cm</td>
<td>2.5 mils</td>
</tr>
<tr>
<td>B00145WA</td>
<td>Round</td>
<td>18 oz.</td>
<td>532 ml</td>
<td>4½” W x 9” L</td>
<td>8.5 x 23 cm</td>
<td>2.5 mils</td>
</tr>
<tr>
<td>B00125WA</td>
<td>Round</td>
<td>24 oz.</td>
<td>710 ml</td>
<td>6” W x 9½” L</td>
<td>15 x 25 cm</td>
<td>2.5 mils</td>
</tr>
<tr>
<td>B00102WA</td>
<td>Round</td>
<td>24 oz.</td>
<td>710 ml</td>
<td>6” W x 9½” L</td>
<td>15 x 25 cm</td>
<td>3 mils</td>
</tr>
<tr>
<td>B00106WA</td>
<td>Round</td>
<td>24 oz.</td>
<td>710 ml</td>
<td>6” W x 9½” L</td>
<td>15 x 25 cm</td>
<td>3 mils</td>
</tr>
<tr>
<td>B00990WA</td>
<td>Round</td>
<td>27 oz.</td>
<td>798 ml</td>
<td>5½” W x 12” L</td>
<td>12.5 x 30.5 cm</td>
<td>3 mils</td>
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<tr>
<td>B00994WA</td>
<td>Round</td>
<td>36 oz.</td>
<td>1,065 ml</td>
<td>5½” W x 15” L</td>
<td>12.5 x 38 cm</td>
<td>3 mils</td>
</tr>
<tr>
<td>B00102WA</td>
<td>Round</td>
<td>42 oz.</td>
<td>1,242 ml</td>
<td>6” W x 15” L</td>
<td>15 x 38 cm</td>
<td>3 mils</td>
</tr>
<tr>
<td>B00146WA</td>
<td>Round</td>
<td>42 oz.</td>
<td>1,242 ml</td>
<td>6” W x 15” L</td>
<td>15 x 38 cm</td>
<td>3 mils</td>
</tr>
<tr>
<td>B00152WA</td>
<td>Round</td>
<td>55 oz.</td>
<td>1,627 ml</td>
<td>7½” W x 12” L</td>
<td>19 x 30 cm</td>
<td>3 mils</td>
</tr>
<tr>
<td>B00132WA</td>
<td>Round</td>
<td>69 oz.</td>
<td>2,041 ml</td>
<td>7½” W x 15” L</td>
<td>19 x 38 cm</td>
<td>3 mils</td>
</tr>
</tbody>
</table>

* Indicates steel wire closure, instead of aluminum.
### WRITE-ON BAGS

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>WIRE STYLE</th>
<th>CAPACITY</th>
<th>SIZE</th>
<th>THICKNESS</th>
<th>BAGS/BOX</th>
<th>COMPATIBLE RACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>B01067WA</td>
<td>Round</td>
<td>1 oz.</td>
<td>29 ml 2½&quot; W x 5&quot; L 6.5 x 12.5 cm</td>
<td>2.25 mils</td>
<td>500</td>
<td>A, B, C, E-I</td>
</tr>
<tr>
<td>B01064WA</td>
<td>Round</td>
<td>2 oz.</td>
<td>58 ml 3&quot; W x 5&quot; L 7.5 x 12.5 cm</td>
<td>2.25 mils</td>
<td>500</td>
<td>A, B, C, E-I</td>
</tr>
<tr>
<td>B01339WA</td>
<td>Flat</td>
<td>4 oz.</td>
<td>88 ml 3&quot; W x 7½&quot; L 7.5 x 18.5 cm</td>
<td>2.25 mils</td>
<td>500</td>
<td>A, B, C, E-I, G-I</td>
</tr>
<tr>
<td>B01062WA</td>
<td>Round</td>
<td>4 oz.</td>
<td>88 ml 3&quot; W x 7½&quot; L 7.5 x 18.5 cm</td>
<td>2.25 mils</td>
<td>500</td>
<td>A, B, C, E-I, G-I</td>
</tr>
<tr>
<td>B01489WA</td>
<td>Round</td>
<td>7 oz.</td>
<td>207 ml 3½&quot; W x 7&quot; L 9.5 x 18.5 cm</td>
<td>2.5 mils</td>
<td>500</td>
<td>A, B, C, E-I, G-I</td>
</tr>
<tr>
<td>B01490WA</td>
<td>Round</td>
<td>13 oz.</td>
<td>384 ml 5½&quot; W x 7½&quot; L 13 x 19 cm</td>
<td>2.5 mils</td>
<td>500</td>
<td>D, F, H</td>
</tr>
<tr>
<td>B01065WA</td>
<td>Round</td>
<td>16 oz.</td>
<td>532 ml 4½&quot; W x 9&quot; L 11.5 x 23 cm</td>
<td>2.5 mils</td>
<td>500</td>
<td>D, E, F</td>
</tr>
<tr>
<td>B01341WA</td>
<td>Flat</td>
<td>18 oz.</td>
<td>532 ml 4½&quot; W x 9&quot; L 11.5 x 23 cm</td>
<td>2.5 mils</td>
<td>500</td>
<td>D, E, F</td>
</tr>
<tr>
<td>B01297WA</td>
<td>Round</td>
<td>24 oz.</td>
<td>710 ml 6&quot; W x 9&quot; L 15 x 23 cm</td>
<td>3 mils</td>
<td>500</td>
<td>D, H</td>
</tr>
<tr>
<td>B01196WA</td>
<td>Round</td>
<td>24 oz.</td>
<td>710 ml 6&quot; W x 9&quot; L 15 x 23 cm</td>
<td>4 mils</td>
<td>500</td>
<td>D, H</td>
</tr>
<tr>
<td>B01491WA</td>
<td>Round</td>
<td>27 oz.</td>
<td>798 ml 5½&quot; W x 12&quot; L 12.5 x 30.5 cm</td>
<td>3 mils</td>
<td>500</td>
<td>D, F, H</td>
</tr>
<tr>
<td>B01195WA</td>
<td>Round</td>
<td>55 oz.</td>
<td>1,627 ml 7½&quot; W x 15&quot; L 19 x 38 cm</td>
<td>4 mils</td>
<td>500</td>
<td>H</td>
</tr>
<tr>
<td>B01515WA</td>
<td>Round</td>
<td>69 oz.</td>
<td>2,041 ml 7½&quot; W x 15&quot; L 19 x 38 cm</td>
<td>3 mils</td>
<td>500</td>
<td>H</td>
</tr>
<tr>
<td>B01445WA</td>
<td>I Flat, I Round</td>
<td>92 oz.</td>
<td>2,721 ml 10&quot; W x 15½&quot; L 25.4 x 38 cm</td>
<td>4 mils</td>
<td>250</td>
<td>J</td>
</tr>
<tr>
<td>B01446WA</td>
<td>I Flat, I Round</td>
<td>123 oz.</td>
<td>3,657 ml 10&quot; W x 20&quot; L 25.4 x 50.8 cm</td>
<td>4 mils</td>
<td>250</td>
<td>K</td>
</tr>
<tr>
<td>B01447WA</td>
<td>I Flat, I Round</td>
<td>184 oz.</td>
<td>5,441 ml 15½&quot; W x 20&quot; L 38.1 x 50.8 cm</td>
<td>4 mils</td>
<td>100</td>
<td>L</td>
</tr>
</tbody>
</table>

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

### Features

- **POST-MANUFACTURING STERILIZATION**
  - Increased sample integrity
  - Perforated closure to maintain sterility

- **OPENING PULL TABS**
  - For easy opening
  - Non-slip textured Tyvek®

- **CONVENIENT WRITE-ON STRIP**
  - Makes labeling quick and easy
  - Clear sample identification
  - For organization & traceability

- **CONTINUOUS PERIMETER SEAL**
  - Maximum protection against leaks

- **TRUSTED, PUNCTURE-PROOF CLOSURE TABS**
  - Tape extends beyond wire to eliminate sharp ends and provide a sturdy grip
  - Wire tabs hold the top open for easy access to or remove sample
  - Worry-free, no-leak closure for sample integrity

- **BLENDED, VIRGIN POLYETHYLENE FILM**
  - Exceptional clarity
  - Superior strength
  - Sterilized after manufacturing
  - FDA approved for food contact

- **CONVENIENT WRITE-ON STRIP**
  - Makes labeling quick and easy
  - Clear sample identification
  - For organization & traceability
Specifically designed for sampling chlorinated water from municipalities, swimming pools, waste water, and other areas to test for fecal coliforms or other bacteria. Each sterile bag contains a nontoxic, nonnutritive tablet containing active sodium thiosulfate to neutralize chlorine at the time of collection. The bag is EPA approved and has the additional benefits of saving technician time, utility costs, storage space, and disposal costs by replacing other sample containers. Each sterilized bag has a convenient write-on strip.
POST-MANUFACTURING STERILIZATION
- increased sample integrity
- perforated closure to maintain sterility

OPENING PULL TABS
- for easy opening
- non-slip textured Tyvek®

CONVENIENT WRITE-ON STRIP
- makes labeling quick and easy
- clear sample identification
- fill lines for accurate sample measurement (some sizes come without fill lines)
- for organization & traceability

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

MORE EFFICIENT THAN TRADITIONAL METHODS
- save technician’s time
- save on utility, storage, transportation, and disposal costs

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

THE TABLET IS ALREADY IN THERE
- manufactured with a sodium thiosulfate tablet in the bag for chlorine neutralization

STAND UP BAGS

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>WIRE STYLE</th>
<th>CAPACITY</th>
<th>SIZE</th>
<th>THICKNESS</th>
<th>BAGS/POUCH</th>
<th>BAGS/BOX</th>
<th>COMPATIBLE RACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>BO1601WA</td>
<td>Round</td>
<td>1 Flat, 1 Round</td>
<td>68 oz. 2,000 ml</td>
<td>7½ x 15&quot; L</td>
<td>19 x 38 cm</td>
<td>4 mils</td>
<td>25 100 H</td>
</tr>
<tr>
<td>BO1603WA</td>
<td>Round</td>
<td>1 Flat, 1 Round</td>
<td>34 oz. 1,000 ml</td>
<td>6&quot; W x 15&quot; L</td>
<td>15 x 38 cm</td>
<td>4 mils</td>
<td>25 100 H</td>
</tr>
<tr>
<td>BO1604WA</td>
<td>Round</td>
<td>1 Flat, 1 Round</td>
<td>17 oz. 500 ml</td>
<td>6&quot; W x 9&quot; L</td>
<td>15 x 23 cm</td>
<td>3 mils</td>
<td>25 100 H</td>
</tr>
</tbody>
</table>

FLAT BAGS

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>WIRE STYLE</th>
<th>CAPACITY</th>
<th>SIZE</th>
<th>THICKNESS</th>
<th>BAGS/POUCH</th>
<th>BAGS/BOX</th>
<th>COMPATIBLE RACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>BO1601WA</td>
<td>Round</td>
<td>1 Flat, 1 Round</td>
<td>68 oz. 2,000 ml</td>
<td>7½ x 15&quot; L</td>
<td>19 x 38 cm</td>
<td>4 mils</td>
<td>25 100 H</td>
</tr>
<tr>
<td>BO1603WA</td>
<td>Round</td>
<td>1 Flat, 1 Round</td>
<td>34 oz. 1,000 ml</td>
<td>6&quot; W x 15&quot; L</td>
<td>15 x 38 cm</td>
<td>4 mils</td>
<td>25 100 H</td>
</tr>
</tbody>
</table>
STAND-UP BAGS

Works like a bottle without the cost and storage constraints

These self-standing bags make sample handling easier as they give users the ability to perform important laboratory functions with both hands. The bottom of the gusseted bag unfolds when a sample is placed inside, allowing the bag to stand upright. Stand-up bags function just like a bottle; however, they cost less, come sterilized, are shatterproof, and use only a fraction of the storage and disposal space required by hard-sided containers.
### AVAILABLE IN SEVEN CONVENIENT SIZES
- A bag for every job
- Ideal for lab or field work

### OPENING PULL TABS
- For easy opening
- Non-slip textured Tyvek®

### GUSSETED BAG BOTTOMS FOR SELF-STANDING EASE
- No need for expensive and bulky bottles
- Allows user to perform functions with both hands
- Perfect for both liquids and solids

### CLASSIC PUNCTURE-PROOF CLOSURE TABS
- Tape extends beyond wire to eliminate sharp ends and provide a sturdy grip
- Worry-free, no-leak closure for sample integrity
- Wire tabs hold the top open for easy access to add to or remove sample

### CONVENIENT WRITE-ON STRIP
- Makes labeling quick and easy
- Clear sample identification
- For organization & traceability

### CAT. NO. | WIRE STYLE | CAPACITY | SIZE | THICKNESS | BAGS/BOX | COMPATIBLE RACK
--- | --- | --- | --- | --- | --- | ---
B01364WA | Round | 4 oz. | 118 ml | 3” W x 7¼” L | 7.5 x 18.5 cm | 2.5 mils | 500 | A, B, C, E, G, I
B01365WA | Round | 18 oz. | 532 ml | 4½” W x 9” L | 11.5 x 23 cm | 3 mils | 500 | D, F
B01401WA | Round | 24 oz. | 710 ml | 6” W x 9” L | 15 x 23 cm | 3 mils | 500 | D, H
B01449WA | 1 Flat, 1 Round | 36 oz. | 1,065 ml | 5” W x 15” L | 12.5 x 38 cm | 4 mils | 250 | D, F, H
B01450WA | 1 Flat, 1 Round | 42 oz. | 1,242 ml | 6” W x 15” L | 15 x 38 cm | 4 mils | 250 | J, K
B01451WA | 1 Flat, 1 Round | 69 oz. | 2,041 ml | 7½” W x 15” L | 19 x 38 cm | 4 mils | 250 | J, K
B01542WA | 1 Flat, 1 Round | 138 oz. | 4,080 ml | 10” W x 15” L | 30 x 38 cm | 4 mils | 100 | L

- More efficient than bottles
- Saves space and money
- Durable
- Guaranteed sterile
- Reduced disposal costs
- Easy to recycle

- Gusseted bag bottoms for self-standing ease
- Classic puncture-proof closure tabs
- Convenient write-on strip

Available in seven convenient sizes, the bags are excellent for both liquids and solids, allowing users to perform functions with both hands.
Welcome to the next generation in environmental surface sampling

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

WHIRL-PAK® HYDRATED POLYSPONGE™ BAGS
Each sponge is packed in a sealed 18-oz. (532 ml) write-on bag and is hydrated with 10 ml of HiCap™ Neutralizing Broth. Terminally gamma processed to guarantee sterility. Box contains five foil pouches with 20 sponges each for a total of 100 sponges. Bags are 4½” W x 9” L (11.5 x 235 cm) with a thickness of 2.5 mils (.064 mm). Two-year shelf life with ambient storage at 36°–86° F (2°–30° C).

B01590WA Without Glove.
B01591WA With Sterile Glove.

HEAVY-DUTY HANDLE DESIGNED TO HELP CUT THROUGH BIOFILMS

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

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

B01592WA

Hicap™ is a trademark of World Bioproducts, LLC.

Hicap™ BROTH
vs.
TRADITIONAL COLLECTION BROTHS

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

B01590WA Without Glove.
B01591WA With Sterile Glove.
An environmental surface sampling standard

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

+1.920.568.5616, whirl-pak.com, contact@whirl-pak.com
**WHIRL-PAK® SPECI-SPONGE® (HYDRATED)**

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

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

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

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**USE YOUR OWN BUFFER**

**WHIRL-PAK® SPECI-SPONGE® (DRY)**

18-oz. (532 ml) Speci-Sponge® Bag
Size: 4½” W × 9” L (11.5 × 23 cm).
Film thickness: 2.5 mils (.064 mm). Box of 100.
**B01245WA**

55-oz. (1,627 ml) Speci-Sponge® Bag Size: 7½” W × 12” L (19 x 30 cm) – perfect for use with homogenizer blenders.
Film thickness: 4.0 mils (.102 mm). Box of 100.
**B01299WA**

18-oz. Speci-Sponge® Bag with Sterile Glove
Includes a sterile, size large polyethylene glove attached in a bottom compartment.
Bag thickness is 2.5 mils (.064 mm).
Bag size: 4½” W × 9” L (11.5 × 23 cm). Box of 100.
**B01392WA**

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**WHIRL-PAK® SPONGE PROBE (DRY)**

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

**B01475WA**

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<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>WIRE STYLE</th>
<th>STYLE</th>
<th>CAPACITY</th>
<th>SIZE</th>
<th>THICKNESS</th>
<th>BAGS/BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td>B01245WA</td>
<td>Round</td>
<td>Dry</td>
<td>18 oz.</td>
<td>532 ml</td>
<td>4½” W × 9” L</td>
<td>11.5 x 23 cm</td>
</tr>
<tr>
<td>B01299WA</td>
<td>Round</td>
<td>Dry</td>
<td>55 oz.</td>
<td>1,627 ml</td>
<td>7½” W × 12” L</td>
<td>19 x 30 cm</td>
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<tr>
<td>B01392WA</td>
<td>Round</td>
<td>Dry</td>
<td>18 oz.</td>
<td>532 ml</td>
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<td>11.5 x 23 cm</td>
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<td>B01475WA</td>
<td>Round</td>
<td>Dry Sponge Probe</td>
<td>24 oz.</td>
<td>710 ml</td>
<td>6” W × 9” L</td>
<td>15 x 23 cm</td>
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<td>B01423WA</td>
<td>Round</td>
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<td>18 oz.</td>
<td>532 ml</td>
<td>4½” W × 9” L</td>
<td>11.5 x 23 cm</td>
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<td>B01422WA</td>
<td>Round</td>
<td>Hydrated with glove</td>
<td>18 oz.</td>
<td>532 ml</td>
<td>4½” W × 15” L</td>
<td>11.5 x 38 cm</td>
</tr>
</tbody>
</table>

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**USE YOUR OWN BUFFER**

**NASCO SPONGE POLE WITH DETACHABLE SPONGE HOLDER**

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

**B01457WA**

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

**B01593WA**

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**B01559WA  Replacement Sponge Holder.**

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

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

Solutions for all your sampling needs
WHIRL-PAK® SPOON BAG

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

B01478WA

B01041(A)WA Bulk Sterilized Spoons.
5 pkgs of 20. Box of 100.

WHIRL-PAK® SCOOP BAG

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

B01350WA White Scoop
B01350(B)WA Blue Scoop

WHIRL-PAK® BLACK BAG

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

B01472WA 4 oz. (118 ml). Film thickness 2.5 mils (.064 mm).
B01418WA 18 oz. (532 ml). Film thickness 2.5 mils (.064 mm).
B01558WA 55 oz. (1,627 ml). Film thickness 4.0 mils (.102 mm).

POCKET BAG

The pocket on this 24-oz. (710 ml) bag measures 5 3/8” W x 5 5/8” L (13.7 x 14.2 cm) and keeps important paperwork dry, clean, and separate from the sample. Bag measures 6” W x 9” L (15 x 23 cm). Film thickness: 2.5 mils (.064 mm). Box of 500 bags.

B01255WA

NASCO MEAT/POULTRY CARCASS SAMPLING KIT

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

Box of 25 kits.

B01324WA

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

B01378WA

NASCO POULTRY RINSE BAG

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

B01319WA
Whirl-Pak® features

• **Puncture-Proof Closure Tabs:** Eliminate sharp points which could puncture the bags, scratch a person's hands, or puncture gloves. The “PUNCTURE-PROOF TABS” process is patented under No. 5,180,229.

• **Guaranteed Sterile:** +1 Sterilization® — process of sterilizing sealed cartons of Whirl-Pak® bags after manufacturing, which is completed at an independent ISO-certified facility.

• **Sterility Traceability:** Download sterility certificates from whirl-pak.com using the lot number and master number on every box.

• **Film:** Exceptionally clear film and superior strength by using co-extrusion low-density and linear low-density, virgin polyethylene.

• **Leak-Proof Closure:** Whirling or folding the bag over three times and securing with the closure tabs creates a leak-proof sampling container.

• **Reduced Storage and Shipping:** Whirl-Pak® bags can save you $$$ as they require less space vs. other sampling containers, which saves on shipping, storage, and waste costs.
PLAIN BLENDER BAGS
When the sample does not have to be retained, these bags are designed for quick testing and disposal. The bags are made of Whirl-Pak® film, have a perimeter seal, and are sealed at the top. There is a perforation for easy opening and to protect sterility, which allows for separate handling of each bag.

7½" W x 12" L (19 x 30 cm).
55 oz. (1,627 ml). Thickness 3.0 mils (.076 mm). Box of 1000 bags.

15" W x 20" L (37.5 x 50 cm).
184 oz. (5,441 ml). Thickness 4.0 mils (.102 mm). Box of 250 bags.

PLAIN BLENDER BAGS
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15" W x 20" L (37.5 x 50 cm).
184 oz. (5,441 ml). Thickness 4.0 mils (.102 mm). Box of 250 bags.

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

9" Pipe Closures. Use these locking pipes with 55 oz. (1,627 ml) and 69 oz. (2,041 ml) blender bags without tape and wire closure to save money. Yellow pipe is 9" L; white pipe is 7¼" L.

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

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

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 sterilized 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 sterilized Whirl-Pak® bag, which can be closed after each use. Box of 20 packs (500 sleeves).

B01474WA

B01421WA

B01523WA

B01550WA

B01595WA

B01523WA
FULL-PAGE FILTER BAGS

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

**WHIRL-PAK® EXCLUSIVE**

**FILTER BAG WITH PUNCTURE-PROOF CLOSURE TABS**
- can incubate
- retain samples

**FULL-PAGE POLYETHYLENE FILTER**
- 330 micron filter layer
- available with or without closure
- collect, blend, and incubate samples with one bag

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**CAT. NO.** | **WIRE STYLE** | **CAPACITY** | **SIZE** | **THICKNESS** | **BAGS/BOX**
--- | --- | --- | --- | --- | ---
B01385WA | Round | 7 oz. 207 ml | 3½” W x 7” L | 3 mils | 250
B01348WA | Round | 24 oz. 710 ml | 6” W x 9” L | 4 mils | 250
B01547WA (NO CLOSURE) | No Wire | 55 oz. 1,627 ml | 7½” W x 12” L | 4 mils | 250
B01318WA | Round | 55 oz. 1,627 ml | 7½” W x 12” L | 4 mils | 250
B01416WA | Round | 69 oz. 2,048 ml | 7½” W x 15” L | 4 mils | 250
B01488WA | 1 Flat, 1 Round | 92 oz. 2,721 ml | 10” W x 15” L | 4 mils | 100
B01525WA | 1 Flat, 1 Round | 158 oz. 4,080 ml | 15” W x 15” L | 4 mils | 100
VERTICAL FILTER BAGS

Better blending and pipetting with our vertical, nonwoven filter bags

Bags use a special laminated PET film for durability and a vertical nonwoven filter to separate solids for easy pipetting of the liquid sample. Available with or without a closure, each bag contains a 250 micron polyester filter adhered vertically along the side of the bag.
<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>WIRE STYLE</th>
<th>CAPACITY</th>
<th>SIZE</th>
<th>THICKNESS</th>
<th>BAGS/BOX</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>OZ.</td>
<td>ML</td>
<td>IN.</td>
<td>CM</td>
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<tr>
<td>B01586WA</td>
<td>Round</td>
<td>55 oz</td>
<td>1,627 ml</td>
<td>7½&quot; W x 12&quot; L</td>
<td>19 x 30 cm</td>
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<tr>
<td>B01587WA</td>
<td>Round</td>
<td>55 oz</td>
<td>1,627 ml</td>
<td>7½&quot; W x 12&quot; L</td>
<td>19 x 30 cm</td>
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<tr>
<td>B01588WA</td>
<td>Round</td>
<td>69 oz</td>
<td>2,041 ml</td>
<td>7½&quot; W x 15&quot; L</td>
<td>19 x 38 cm</td>
</tr>
<tr>
<td>B01589WA</td>
<td>1 Flat, 1 Round</td>
<td>92 oz</td>
<td>2,721 ml</td>
<td>10&quot; W x 15&quot; L</td>
<td>25.4 x 38 cm</td>
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<tr>
<td>B01582WA</td>
<td>No Wire</td>
<td>55 oz</td>
<td>1,627 ml</td>
<td>7½&quot; W x 12&quot; L</td>
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<td>B01583WA</td>
<td>No Wire</td>
<td>55 oz</td>
<td>1,627 ml</td>
<td>7½&quot; W x 12&quot; L</td>
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<td>B01584WA</td>
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<td>69 oz</td>
<td>2,041 ml</td>
<td>7½&quot; W x 15&quot; L</td>
<td>19 x 38 cm</td>
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<tr>
<td>B01585WA</td>
<td>No Wire</td>
<td>92 oz</td>
<td>2,721 ml</td>
<td>10&quot; W x 15&quot; L</td>
<td>25.4 x 38 cm</td>
</tr>
</tbody>
</table>

**WHIRL-PAK® EXCLUSIVE**

**FILTER BAG WITH PUNCTURE-PROOF CLOSURE TABS**
- can incubate
- retain samples

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

**EASY-POUR SIDE SEAL INDICATED BY DOTTED LINES**
- allows for simple liquid pour without emptying solids

Specially designed for use with homogenizer blenders. Durable PET film and special features for easier and more efficient testing.
Specially designed to hold various sizes of Whirl-Pak® bags. Made in the U.S.A. of 10- and 12-gauge steel fused together to create strong joints and straight lines. Racks are finished with an electrostatically applied powder coating. The result is a strong, durable finish which will stand up to many laboratory materials, and racks that can be autoclaved. Max dry temperature is 300° F (148° C) and wet temperature is 500° F (260° C). The B01048WA rack can also be used for plate incubation by turning it on one side.
<table>
<thead>
<tr>
<th>RACK CAT. NO.</th>
<th>RACK SIZE</th>
<th>COMPARTMENTS</th>
<th>COMPARTMENT SIZE</th>
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<tbody>
<tr>
<td>A. B00677WA*</td>
<td>6 1/2&quot; x 12 1/2&quot; x 3&quot;</td>
<td>21</td>
<td>6 1/2&quot; x 2&quot;</td>
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<tr>
<td>B. <strong>B00678WA</strong></td>
<td>6 1/2&quot; x 9&quot; x 3&quot;</td>
<td>15</td>
<td>6 1/2&quot; x 2&quot;</td>
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<tr>
<td>C. B00750WA</td>
<td>9 1/2&quot; x 10 1/2&quot; x 3&quot;</td>
<td>30</td>
<td>6 1/2&quot; x 2&quot;</td>
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<tr>
<td>D. <strong>B00751WA</strong></td>
<td>10&quot; x 10&quot; x 3 1/2&quot;</td>
<td>20</td>
<td>18 1/5&quot; x 2&quot;</td>
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<tr>
<td>E. <strong>B00772WA</strong></td>
<td>Fits regular-size Playmate® Cooler</td>
<td>18</td>
<td>6 1/2&quot; x 2&quot;</td>
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<tr>
<td>F. <strong>B01044WA</strong></td>
<td>13 3/8&quot; x 10 3/8&quot; x 4&quot;</td>
<td>20</td>
<td>20&quot; x 20&quot;</td>
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<td>G. <strong>B01023WA</strong></td>
<td>6 1/2&quot; x 12 1/4&quot; x 3&quot;</td>
<td>18</td>
<td>2&quot; x 2&quot;</td>
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<tr>
<td>H. <strong>B01048WA</strong></td>
<td>9 1/4&quot; x 10 3/4&quot; x 4 1/4&quot;</td>
<td>6</td>
<td>4 1/2&quot; x 4 1/2&quot;</td>
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<tr>
<td>I. <strong>B01109WA</strong></td>
<td>Fits Little Playmate® Cooler</td>
<td>15</td>
<td>6 1/2&quot; x 10&quot;</td>
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<tr>
<td>J. <strong>B01533WA With handle</strong></td>
<td>9&quot; dia. x 12&quot; H</td>
<td>1</td>
<td>9&quot; dia. x 12&quot; H</td>
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<tr>
<td>K. <strong>B01534WA With handle</strong></td>
<td>7&quot; dia. x 12&quot; H</td>
<td>1</td>
<td>7&quot; dia. x 12&quot; H</td>
</tr>
<tr>
<td>L. <strong>B01535WA With handle</strong></td>
<td>7&quot; dia. x 10&quot; H</td>
<td>1</td>
<td>7&quot; dia. x 10&quot; H</td>
</tr>
</tbody>
</table>

*Indicates compatible with Nasco Sample Ice Chest (C06115WA), see page 26 for chest.

**RACK HANDLE**

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

**B01309WA**
WHIRL-PAK® TRANS-PAK® SPECIMEN BAG (NON STERILE)
Outside pouch keeps important paperwork dry, clean, and separate from the sample. Trans-Pak® also features the Biohazard symbol required by OSHA (Occupational Safety and Health Administration). Bag measures 6” W x 9” L (15 x 23 cm). 24 oz. (710 ml). Box of 500. Pouch measures 5⅜” W x 5¾” L (13.7 x 14.6 cm).
B01253WA

SECURITY TAPE STRIPS
Make Trans-Pak® specimen bags and other containers tamperproof with this unique security label. Provides immediate evidence of tampering. Made of a destructible material with a permanent adhesive back that tears when removal is attempted—it’s impossible to remove this label in one piece. Set up time for tape is approximately 2½ hours. Label size: 1½” W x 6½” L (3.4 x 16.6 cm). Pkg. of 100 labels.
B01240WA

NASCO SAMPLE ICE CHEST
Designed specifically for temperature control and proper protection of samples. Features:
• Outside and inside walls made of extremely durable, ABS plastic
• Polyurethane foam insulation in walls and lid
• Recessed carrying grips
• Auxiliary ice storage compartment to keep samples cool
• Dimensions with lid: 16” L x 14¼” W x 9½” H (40.6 x 37.5 x 24.1 cm)
• Inside dimensions: 12¼” L x 13⅞” W x 7” H (31.12 x 35.3 x 17.8 cm)
• Color: green
C06115WA Ice Chest with Lid.
C06115/A/WA Lid only.
Nasco Racks for Ice Chest. These racks hold 4-oz. (118 ml) bags and fit into the Nasco Sample Ice Chest above (C06115WA). See rack dimensions on page 25.
B00678WA 15-Compartment Rack.
B00772WA 18-Compartment Rack.
B00677WA 21-Compartment Rack.
B00676WA

IMPULSE BAG SEALER
For a permanent seal on a Whirl-Pak® Bag, this tabletop thermal impulse sealer provides a quick, efficient means for sealing any type of thermoplastic film. Provides air- and watertight seals. Maximum seal size is 8” (20 cm). 110V, 260 watts. 220V available through special order.
B01311WA

Heat Strip Replacement Kit.
Heat strip replacement kit for bag sealer, above. Kit includes two upper hook-and-loop strips, one lower hook-and-loop strip, and two element wires.
B01444WA

IMPULSE BAG SEALER
For a permanent seal on a Whirl-Pak® Bag, this tabletop thermal impulse sealer provides a quick, efficient means for sealing any type of thermoplastic film. Provides air- and watertight seals. Maximum seal size is 8” (20 cm). 110V, 260 watts. 220V available through special order.
B01311WA

Heat Strip Replacement Kit.
Heat strip replacement kit for bag sealer, above. Kit includes two upper hook-and-loop strips, one lower hook-and-loop strip, and two element wires.
B01444WA
F. STERILIZED PLASTIC SCOOPS, EXTRA LARGE
Each scoop has been carefully washed to EPA protocol B for environmental application, then dried, individually sealed in a poly bag, and sterilized by gamma radiation for food, pharmaceutical, and other applications.

B01459WA 16-oz. (472 ml) Polyethylene Scoop.
Round bottom. Pack of 50 scoops.

B01460WA 32-oz. (946 ml) Polystyrene Scoop.
Flat bottom. Pack of 25 scoops.

B01461WA 82-oz. (2,425 ml) Polystyrene Scoop.
Flat bottom. Pack of 24 scoops.
Collection Tools

A variety of specially designed tools and accessories to make sample collection in any industry easy and accurate.
NASCO SLUDGE NABBER
Make sample collection of liquids fast and easy. Adjustable aluminum pole that extends from 4 to 6½ feet (1.22 to 1.99 m). Bottles of various sizes (250 ml to 1,000 ml) can be placed on a polyurethane base and held in place by an adjustable, plastic locking ring. Sanitize only. Do not autoclave. Unit comes with one 500 ml polyethylene bottle. See accessories below.
One-year warranty.
B01229WA

NASCO SWING SAMPLER
• The end of the sampler swings 90°.
• Telescoping fiberglass pole extends to various lengths.
• Unit comes with a 960 ml polyethylene bottle and the cover has a vinyl liner for leak-proof protection. Bottles of various sizes (250 ml to 1,000 ml) can be placed on a polyurethane base and held in place by an adjustable, plastic locking ring. Sanitize only. Do not autoclave. One-year warranty.
6 ft.–12 ft. (1.83 m–3.66 m) Swing Sampler.
B01310WA
8 ft.–24 ft. (2.44 m–7.32 m) Swing Sampler.
B01366WA

REPLACEMENT PARTS
6 ft.–12 ft. Pole Plastic Grip.
B01529WA
6 ft.–12 ft. Pole Lock Replacement. For use with B01310WA and B01367WA.
B01456WA
8 ft.–24 ft. Pole Lock Replacement. For use with B01366WA.
B01527WA
Replacement Threaded Tip. For use with 6-ft. and 8-ft. poles.
B01531WA
Bottle Holder.
B01354WA
Wide-Mouth Bottles. Made from a food-grade, high-density polyethylene. They are recyclable, but not sterile or autoclavable. The plastic caps have a vinyl liner to ensure a tight fit.
B01243WA 500 ml bottle. Pkg. of 12.
B01244WA 960 ml bottle. Pkg. of 12.
Snapper Attachments. Durable plastic locking rings hold sample bottle securely.
Small Snapper. Holds 500 ml bottle.
B01219WA
Large Snapper. Holds 960 ml bottle.
B01220WA

NASCO SAMPLING POLE/LINE FOR WHIRL-PAK® BAGS
Specially designed to hold any size bag, the holder uses a retainer ring to secure the bag firmly in place. Even in a fast flowing stream, the bag will not come loose. The adjustable fiberglass pole extends from 6 to 12 ft. (1.82 to 3.66 m), has a swinging end, and comes with three sizes of retainer rings to hold the bag. Sanitize with a bleach and water mixture. Cannot be autoclaved.
B01367WA

Replacement Bag Holder and Retainer Rings. For use with Sampling Pole B01367WA.
B01380WA
Nasco Sampling Line for Whirl-Pak® Bags. Nylon sampling line 25 ft. (7.62 m) with bag holder (see description above).
B01368WA
THE SLUDGE JUDGE®

• Designed to take accurate readings of settleable solids of 5% or less in a variety of liquids to any depth
• Ideal for anywhere that accurate sample levels of settleable solids in noncaustic materials are needed
• Comes in three 5-ft. (1.53 m) sections with screw-type connectors
• Top section includes a nylon rope for raising and lowering the sampler
• Individual sections can be combined as required
• 1-ft. (.31 m) markers on the tubing help identify the amount of sludge in the tank
• Float valve for easy sample collection and release
• Not autoclavable
• Do not use to sample ethanol or ethanol-blended motor fuel (see Nasco Fuel Sampler [B01477WA] pg. 33 )
• 1-year warranty
• Holds approximately 3 oz. per foot (89 ml per 0.31 m)
• 1" (2.54 cm) outside diameter clear plastic butyrate tubing
• Do not use in liquids over 165° F (74° C)

The Sludge Judge® Replacement Parts
C09247WA 15-ft. (4.60 m) Sludge Judge Complete Unit.
C09252WA 5-ft. (1.53 m) Top Section with Rope.
C09251WA 5-ft. (1.53 m) Extension Section.
C09250WA 5-ft. (1.53 m) Bottom Section with Valve.
C14516WA Optional 2½ -ft. (0.80 m) Top Section with Rope.

THE SLUDGE JUDGE® ULTRA — SUPER STRONG

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

B01386WA Sludge Judge® Ultra Complete Unit.
B01387WA 5-ft. (1.53 m) Top Section with Rope.
B01388WA 5-ft. (1.53 m) Extension Section.
B01389WA 5-ft. (1.53 m) Bottom Section with Valve.
THE SLUDGE JUDGE® II — LARGE CAPACITY

- \( \frac{3}{4} " \) (1.91 cm) outside diameter clear plastic butyrate tubing is very rigid when assembled
- Holds 6 oz. per foot (178 ml per .31 m)
- Float valve for easy sample collection and release
- Do not use in liquids over 165° F (74° C)

B01355WA  Sludge Judge® II Complete Unit.
B01358WA  5-ft. (1.53 m) Top Section with Rope.
B01357WA  5-ft. (1.53 m) Extension Section.
B01356WA  5-ft. (1.53 m) Bottom Section with Valve.

A. CARRY BAG FOR SAMPLER
Holds four 5-ft. (1.52 m) sections of any Sludge Judge® product. Made of cotton canvas.
C09249WA

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

Cleaning Brush for Use for Sludge Judge® and Sludge Judge® Ultra. 6 ft. (1.83 m) L. 1" (2.54 cm) dia. bristle.
B01291WA

Cleaning Brush for The Sludge Judge® II. 6 ft. (1.83 m) L. 1½" (3.81 cm) dia. bristle.
B01361WA
C. NASCO TANK SAMPLER — SPECIFIC DEPTH SAMPLING

Taking a sample at a specific depth is easy with Nasco’s Tank Sampler. Available as a 10-ft. (3.05 m) unit, it is made up of two 5-ft. (1.53 m) sections that screw together. An extension section is available to make the unit longer. The sampler is made of a tough, 3/4" (1.9 cm) diameter, special plastic pipe. Sampler holds approximately 3 oz. per foot (89 ml per 0.31 m). Not autoclavable.

B01096WA

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

B01097WA
D. 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).

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

F. CARRY BAG FOR SAMPLER
Holds four 5-ft. (1.52 m) sections of any Nasco sampler product. Made of cotton canvas.

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

- 6 ft. (1.83 m) L. 1” (2.54 cm) dia. bristle.
- 6 ft. (1.83 m) L. 1½” (3.81 cm) dia. bristle.
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