



# *Product Catalog*

making innovative, quality products to ensure the safety of the world's food supply



[www.worldbioproducts.com](http://www.worldbioproducts.com)

877-260-6441

[info@worldbioproducts.net](mailto:info@worldbioproducts.net)



committed to producing high-quality, innovative sample collection and handling products

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## To Order

call 877.260.6441

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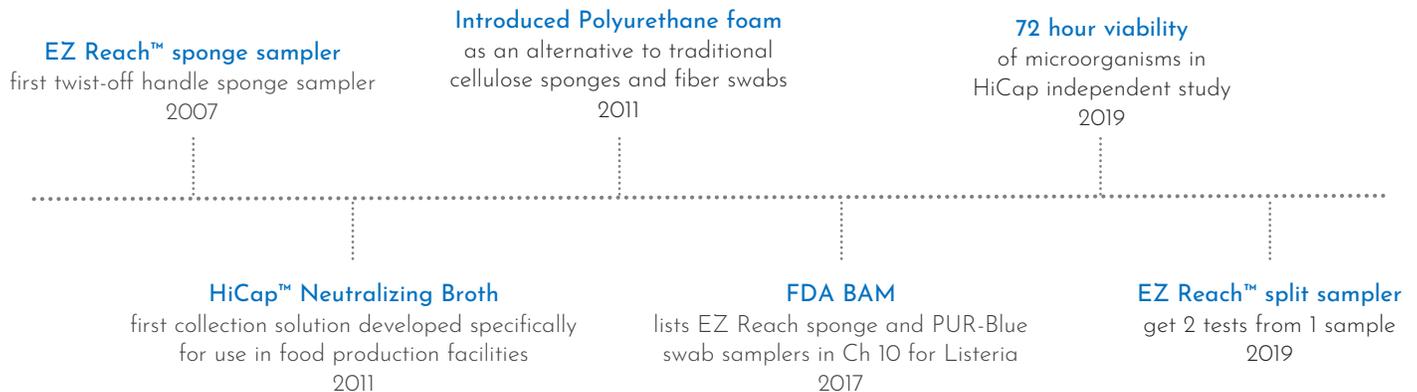
We support most automated procurement systems (i.e. Ariba, Taulia, Coupa, Tungsten, etc.). Please speak with your Account Manager for details. For in stock items, orders received by 12:00 PM PST should ship the same day. Large freight orders and orders received after 12:00 PM PST may not ship until the next business day.



# A History Of Innovation

meeting the demands of modern microbiology testing

World Bioproducts leads the way with revolutionary, high-quality products that make microbiology sample collection and processing more efficient and reliable.



## Two Ways to Improve EMP

The success of an environmental monitoring program (EMP) depends on a few critical components, including the collection solution and the collection material. Our best in class sponges and swabs combine both **HiCap™ Neutralizing Broth**, the first collection solution developed to meet the needs of food producers, and **Polyurethane foam**, a medical grade, biocide-free collection material, that holds up to the rigors of sampling production facilities.

### 1) Unique Collection Solution



### 2) Advance Collection Material





# HiCap™ Neutralizing Broth

specifically made for foods safety needs

Collection solutions play a critical role in the success of an environmental monitoring program. HiCap™ (High Capacity) Neutralizing Broth is the first collection broth developed specifically for use in the food and beverage industry. By neutralizing residual sanitizers from the sampled surface and maintaining the viability of the collected microorganisms for up to 72 hours, HiCap helps prevent false negative test results and facilitates accurate quantification of microorganisms. HiCap is formulated to be non-allergenic, containing only components acceptable for use in food, and to be compatible with both traditional and rapid pathogen detection and enumeration methods.



## Unexpected Delays?

Environmental samples collected using the EZ Reach™ sponge sampler with HiCap™ Neutralizing Broth can be held up to 72 hours before starting enrichments, without sacrificing accuracy.

HiCap helps improve the recovery of microorganisms from surfaces, and unlike other collection solutions, it maintains the viability of stressed and injured cells for up to 72 hours after collection.

- Protect the integrity of your environmental samples
- Avoid costly delays and the need to re-sample
- Ensure accurate detection of harmful pathogens in your facility

Contact us for your copy  
of the 72hr Study and/or  
Collection Broth White Paper

# Compare HiCap™ Neutralizing Broth

## to other collection solutions

HiCap™ Neutralizing Broth	Neutralizing Buffer	Lethen Broth	D/E Neutralizing Broth
Neutralization of quaternary ammonium sanitizers <sup>1</sup>			
High	Moderate	Weak	High
Neutralization of chlorine based sanitizers <sup>1</sup>			
High	Weak	Moderate	High
Ability to buffer low pH (high acid) sanitizers <sup>1</sup>			
High	Weak	Moderate	High
Neutralization of peroxyacetic acid sanitizers <sup>1</sup>			
High	Weak	Weak	High
All components listed in EAFUS <sup>2</sup> as acceptable for use in food			
Yes	No	Yes	No
All components compatible with 3M Petrifilm™ <sup>3</sup>			
Yes	No <sup>4</sup>	Yes	No
All components are identified as non-allergenic			
Yes	Unknown <sup>5</sup>	Unknown <sup>6</sup>	No <sup>7</sup>
Compatible with molecular detection assays			
Yes	No <sup>8</sup>	Yes	Yes
Stable with ambient storage			
Yes	Yes	Yes <sup>9</sup>	No <sup>10</sup>

1. Technical data are available upon request. 2. EAFUS-Everything Added to Food in the U.S. (U.S.FDA) 3. 3M and Petrifilm are trademarks of 3M, St. Paul, MN 4. 3M recommends avoiding solutions that contain bisulfite, citrate and thiosulfate when working with Petrifilm 5. Contains aryl sulfonate complex of unknown allergenicity. 6. Lethen broth contains lecithin. Lecithin used in microbiological culture media is typically derived from soy or egg. 7. Contains peptone from milk and lecithin, which is typically derived from soy or egg. 8. Possibly due to the presence of aryl sulfonate complex in the neutralizing buffer. 9. Some suppliers of Lethen broth specify refrigerated storage. 10. D/E shows pH instability with ambient storage.



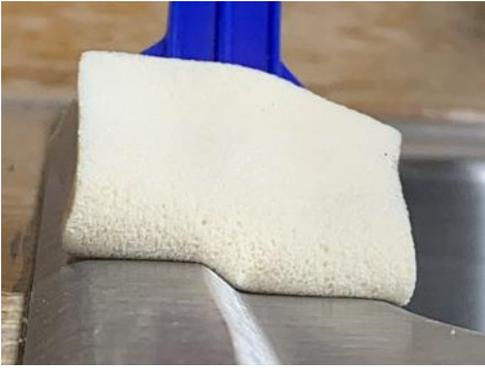
# The Polyurethane Advantage

upgrade to a better sponge and swab

Sponges have been used for over 40 years to sample a diverse range of surfaces in the food production environment from beef, pork and poultry carcasses to production floors, ceilings, drains, and equipment. Polyurethane (PUR) foam sponges offer several distinct advantages over traditional cellulose sponges as well as fiber-tipped swabs including resistance to tearing, flaking or fraying during sample collection and improved release of organisms.



[Request White Paper](#)

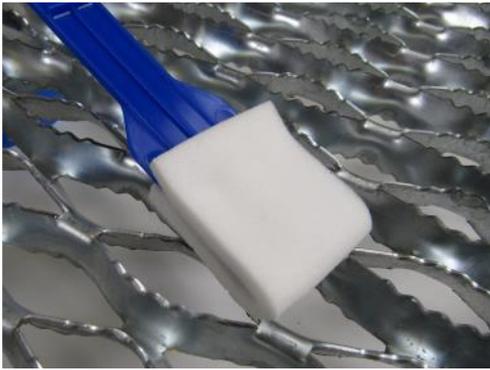


## Polyurethane the EZ alternative

to cellulose sponges and fabric pads

### Pliable

Avoid gaps and incomplete sampling with a material that easily conforms to the shape of the surface. Full contact with the sample area is critical for accurate and reliable test results.



### Durable

Won't tear, flake, or crumble when collecting samples from rough surfaces. Prevent leaving behind sponge debris on critical surfaces.



### Pure

Medical grade, biocide-free material won't inhibit recovery of microorganisms. No chemical residue that can interfere with sensitive pathogen detection methods.



### Absorbent

Ensure full collection of sample and minimize material left behind on the surface. Supports better neutralization of residual sanitizers.

# EZ Reach<sup>TM</sup> sponge sampler

Built for today's advanced  
microbiology sampling needs

## Twist-off Handle

securely holds sponge during sampling,  
easily separates after collection

## Thumb Stop

guides user on proper technique,  
prevents incidental contamination

## Polyurethane

won't tear, crumble,  
or flake during use

## Central Support Ribs

allows for vigorous scrubbing,  
for thorough sampling

## Bendable Handle

allows for full contact between  
the sponge and the surface



# match the SPONGE to the application

Innovative EZ Reach™ sponge samplers are available in a range of sizes and formats to fit most sampling needs. Choose a dry sponge or pre-hydrate with a collection solution.



## pick a SIZE

**EZ Reach™**  
samples surface areas up to 2 ft<sup>2</sup>

**EZ Reach™ 4X**  
samples surface areas up to 8 ft<sup>2</sup>

**EZ Reach™ 8X**  
samples surface areas up to 16 ft<sup>2</sup>

Xtra large sponges easily sample larger surfaces effectively. Ideal for new line startups.



## or SPLIT samples

**EZ Reach™ Split-Sampler**  
easily separates a single sample into two distinct samples without risking incidental contamination or compromising sensitivity. No cutting sponges or diluting samples in the laboratory.

Best In Class Original



US Patent 8,127,627 B2

# EZ Reach™

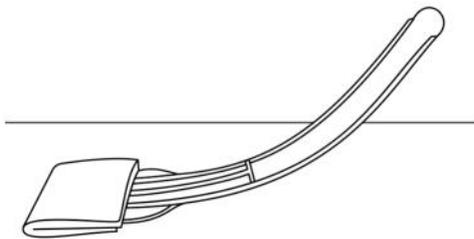
## Sponge Sampler

The EZ Reach™ sponge sampler is ideal for collecting environmental surface samples without touching the sponge. The flexible polypropylene handle allows maximum contact of the sponge with the surface area, and helps with collection from hard-to-reach surfaces and irregular shaped areas. The innovative twist-off handle holds the sponge securely, but is quick and easy to remove once sample collection is completed.

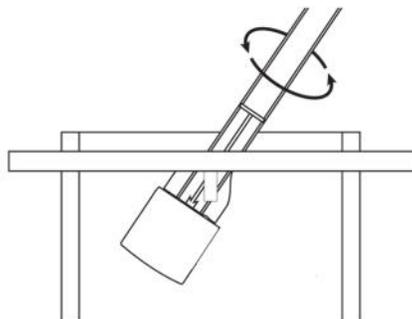


### Put Away the Ladder

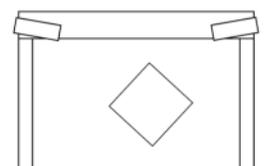
Reach farther with 8 or 12 ft telescoping extension poles that work with our unique adapters made for EZ Reach sponges.



collect

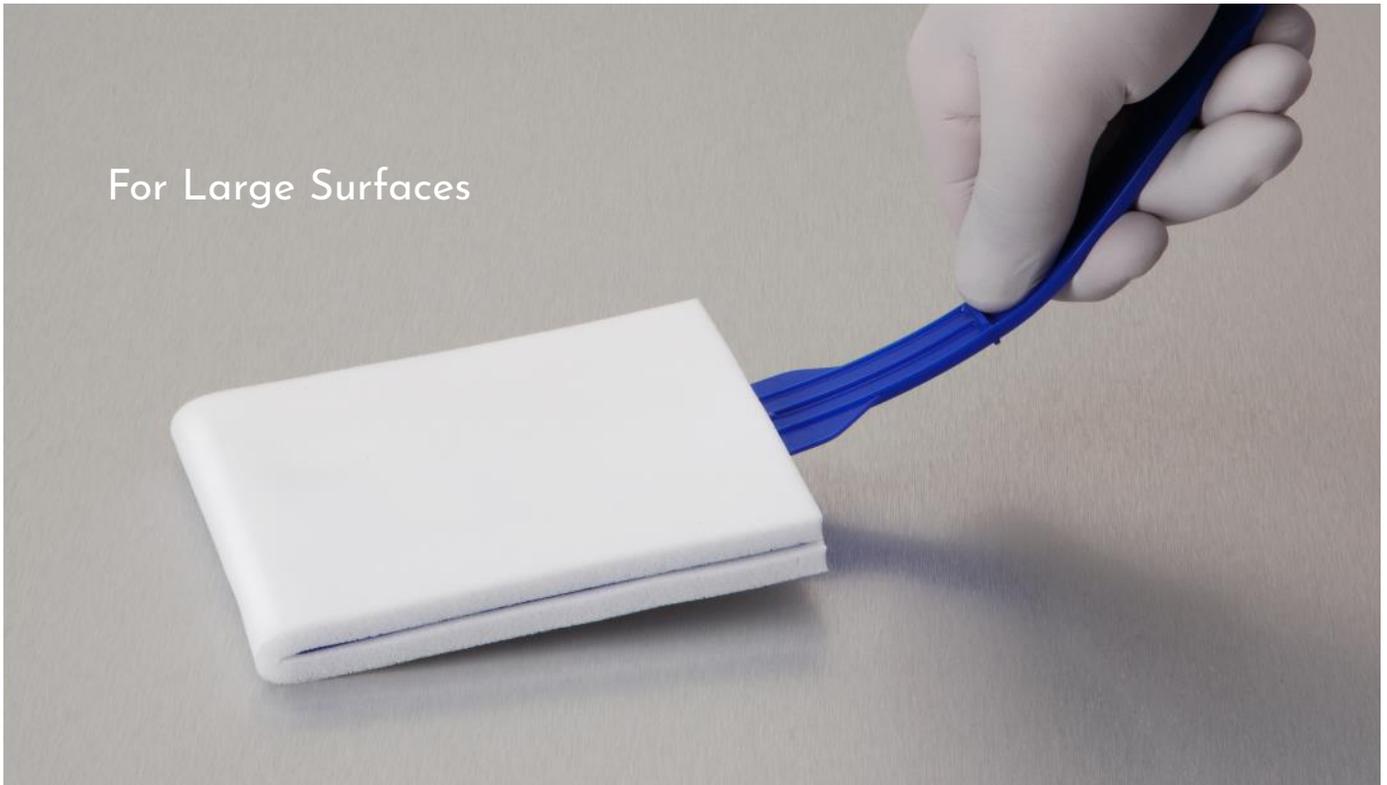


twist-off



test

For Large Surfaces

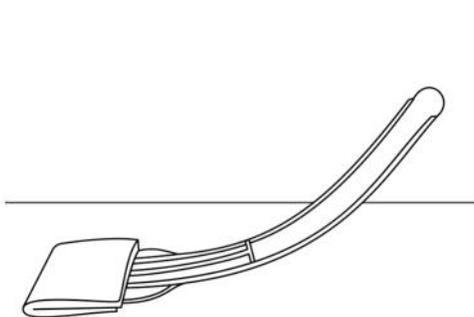
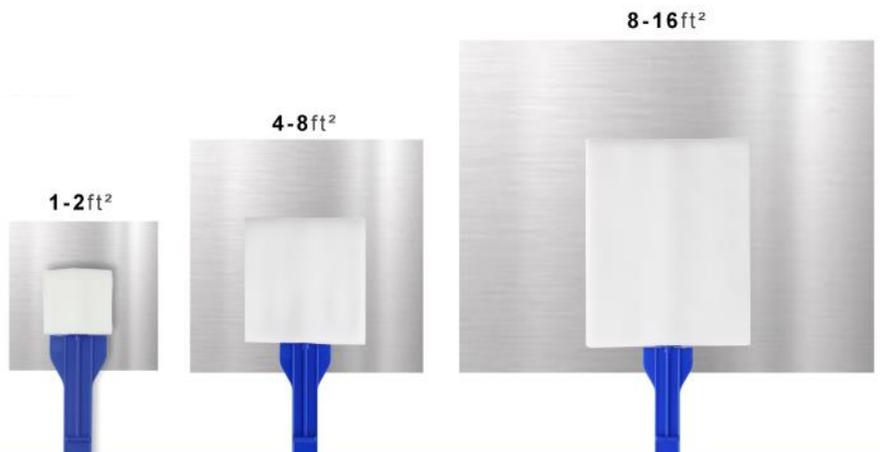


US Patent 8,127,627 B2

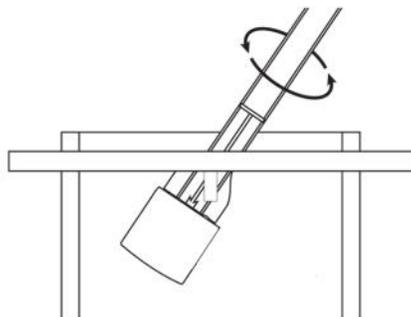
# EZ Reach™ XL

## Sponge Sampler

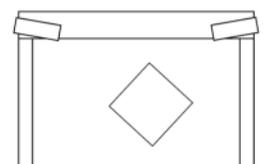
Sometimes BIGGER is better and EZ Reach™ 4X and 8X sponge samplers make it easier to collect environmental samples from larger surface areas (i.e. long conveyor belts, walls, and ceilings). The ability to test larger areas, makes these sponges the perfect tool for new line startups or investigative sampling.



collect



twist-off



test

For Multiple Samples

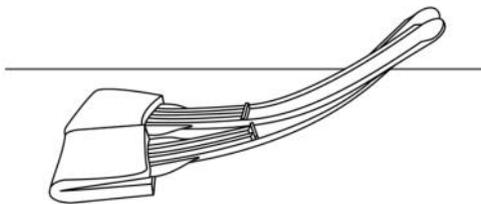


US Patent 8,127,627 B2

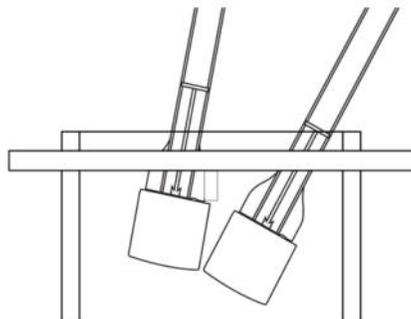
## EZ Reach™ Split-Sampler

### Sponge Sampler

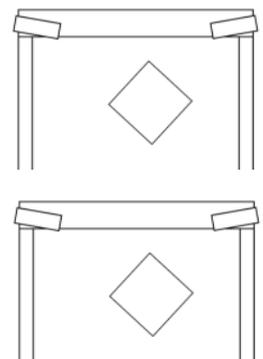
The EZ Reach™ Split-Sampler solves the problem of how to reliably analyze a single environmental test point for multiple pathogens or groups of indicator organisms. Avoid the risk of incidental contamination or compromised sensitivity associated with cutting sponges or diluting samples in the laboratory. The Split-Sampler includes all of the innovative features of the standard EZ Reach sponge sampler but allows users to easily separate a single sample into two distinct samples for downstream analysis.



collect



split



2 tests

# order your EZ Reach today

call 877.260.6441

email [orders@worldbioproducts.net](mailto:orders@worldbioproducts.net)



## EZ Reach™ polyurethane 100/case

Item #

HiCap™ Neutralizing Broth 10 ml, 24 oz bag	EZ-10HC-PUR
HiCap™ Neutralizing Broth 10 ml, 24 oz w/gloves	EZ-10HC-PUR-G
HiCap™ Neutralizing Broth 10 ml, 18 oz bag	EZ18FR-10HC-PUR
HiCap™ Neutralizing Broth 10ml, 18 oz w/gloves	EZ18FR-10HC-PUR-G
D/E Neutralizing Broth 10 ml, 24 oz bag	EZ-10DE-PUR*
Lethen Broth 10 ml, 24 oz bag	EZ-10LET-PUR
Lethen Broth 10 ml, 18 oz bag	EZ18FR-10LET-PUR
Neutralizing Buffer 10 ml, 24 oz bag	EZ-10NB-PUR
Neutralizing Buffer 10 ml, 24 oz bag w/gloves	EZ-10NB-PUR-G
Neutralizing Buffer 20 ml, 24 oz bag	EZ-20NB-PUR
Neutralizing Buffer 10 ml, 18 oz bag	EZ18FR-10NB-PUR
Neutralizing Buffer 10 ml, 18 oz bag w/gloves	EZ18FR-10NB-PUR-G
Buffered Peptone Water 10 ml, 18 oz bag	EZ18FR-10BPW-PUR
Dry polyurethane sponge, 24 oz bag	EZ-DRY-PUR

\* Listed in FDA BAM Chapter 10 procedures for *Listeria monocytogenes*

## EZ Reach™ 4X polyurethane 50/case

Item #

HiCap™ Neutralizing Broth 40 ml, 6"x13" bag	EZ4-40HC-PUR
Double Strength Skim Milk, 40 ml, 6"x13" bag	EZ4-40DSSM-PUR

## EZ Reach™ 8X polyurethane 30/case

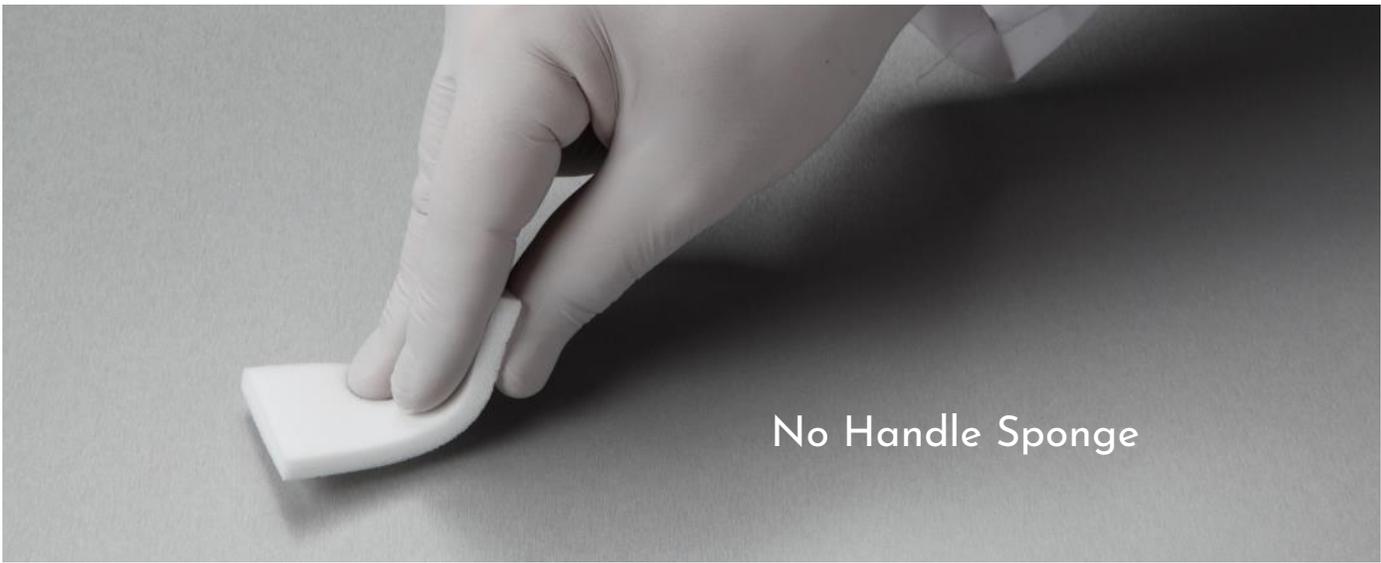
Item #

HiCap™ Neutralizing Broth 80 ml, 6"x13" bag	EZ8-80HC-PUR
---	--------------

## EZ Reach™ Split-Samper 60/case

Item #

HiCap™ Neutralizing Broth 20 ml	EZ-SP-20HC-PUR
Lethen Broth 20 ml	EZ-SP-20LET-PUR
Dry polyurethane sponge	EZ-SP-DRY-PUR



# SampleRight™

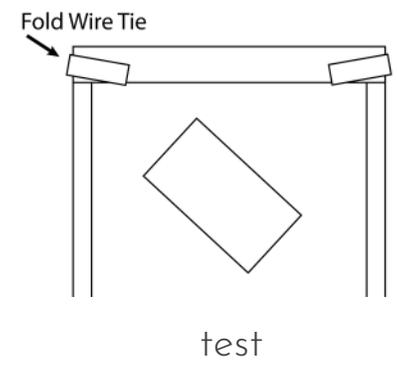
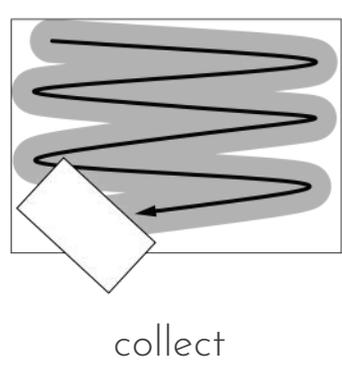
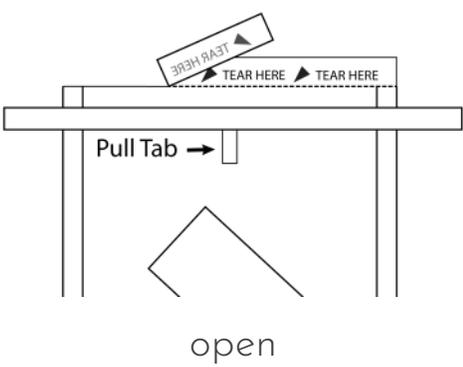
## Sponge Sampler

The SampleRight sponge is a true upgrade from a traditional cellulose sponge. The high density polyurethane sponge is easy to hold onto and manipulate, while resisting tearing and flaking, making it ideal for aggressively sampling surfaces. Available dry or pre-hydrated, and with or without gloves.

SampleRight™ polyurethane 100/case	Item #
HiCap™ Neutralizing Broth 10 ml, 24 oz bag w/gloves	SR-10HC-HDPUR-G
HiCap™ Neutralizing Broth 10 ml, 18 oz bag	SR18-10HC-HDPUR
Letheen Broth 10 ml, 18 oz bag w/gloves	SR18-10LET-HDPUR-G
Neutralizing Buffer 10 ml, 24 oz bag w/gloves	SR-10NB-HDPUR-G
Buffered Peptone Water 20 ml, 18 oz bag w/gloves	SR18-20BPW-HDPUR-G
Buffered Peptone Water 25 ml, 18 oz bag	SR18-25BPW-HDPUR
Dry polyurethane, 18 oz bag	SR18-DRY-HDPUR

SampleRight™ cellulose 100/case	Item #
Buffered Peptone Water 10 ml, 18 oz bag	SR18-10BPW
Buffered Peptone Water 25 ml, 18 oz	SR18-25BPW
Dry cellulose, 18 oz bag	SR18-DRY
Dry cellulose, 18 oz bag w/gloves	SR18-DRY-G



# match the SWAB to the application

Whether sampling for pathogen detection, plate counts, allergens, or viruses, swabs are ideal for collecting environmental samples from small surface areas, tiny cracks, and crevices found throughout a production facility.

## PUR-Blue™ DUO swabs

polyurethane collection swab with ready-to-use enrichment media in a single device.

## PUR-Blue™ swabs

a unique swab with a polyurethane tip, an extra large cap for better handling, and strong flexible shaft.

## Veriswab™ sampler

traditional fiber swab with dacron tip.



# PUR-Blue™

## swab sampler

Built for today's advanced  
microbiology sampling needs



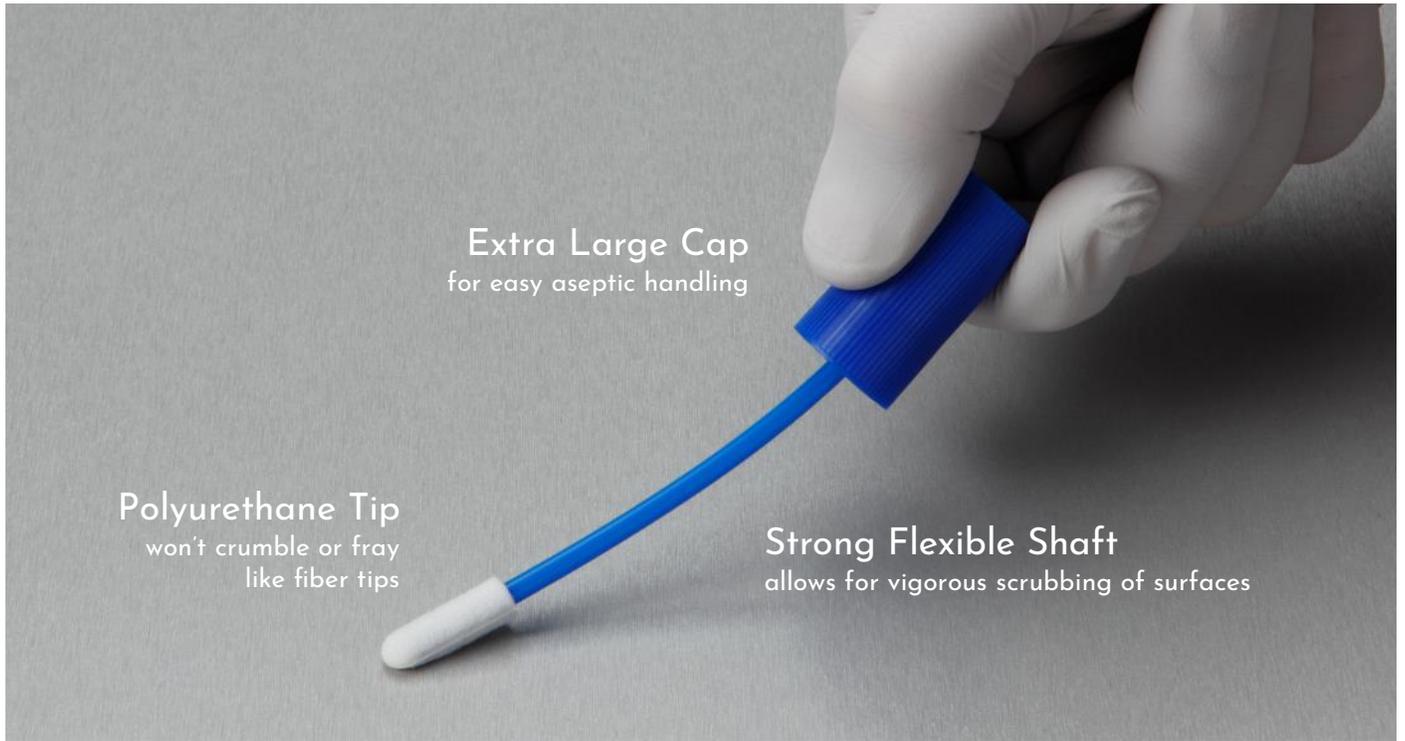
### pick a SIZE

#### Large Tip

- Sample anything from cracks & crevices up to 1 ft<sup>2</sup> surfaces
- Ideal for both pathogen detection and plate counts
- Conduct multiple quantitative tests from a single tube
- Available with 1 ml, 5ml, or 10 ml of various collection solutions

#### Small Tip

- Ideal for direct plating for quantitative analysis
- Calibrated to deliver 1ml to plate or film after sample collection
- Makes plating of environmental samples simple and easy



US Patent 8,127,627 B2

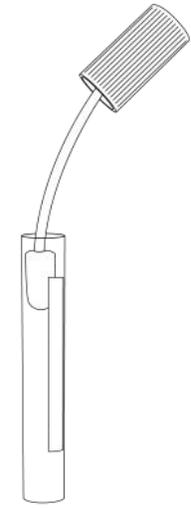
# PUR-Blue™

## Swab Sampler

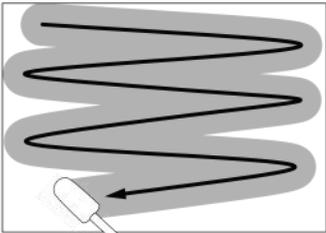
Unlike the traditional fiber-style cotton or dacron tipped swabs, PUR-Blue™ swab samplers possess a medical grade polyurethane foam tip that resists tearing and fraying, making it the ideal tool for sampling surfaces. The strong and flexible shaft, combined with the easy-to-grip large cap, allows the user to press firmly and vigorously scrub surfaces, disrupting biofilms and lifting organisms during sample collection.



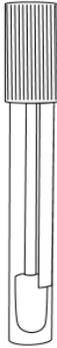
**Put Away the Ladder**  
Reach farther with 8 or 12 ft telescoping extension poles that work with our unique adapters made for PUR-Blue swabs.



open



collect



test

# PUR-Blue™ DUO

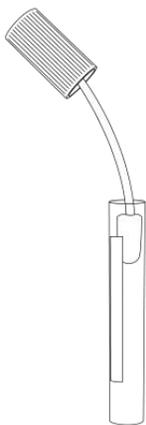
## Swab Sampler

PUR-Blue™ DUO swab samplers combine practical convenience with sound microbiology. DUO is designed to facilitate the collection and enrichment of samples with a single device. One tube of the DUO contains a polyurethane tip swab hydrated with HiCap™ Neutralizing Broth. The second tube contains a ready-to-use enrichment broth for recovery and growth of target organisms such as *Listeria* or *Salmonella*. With the DUO, enrichment can start immediately after collection, eliminating media prep, handling, and transfer step in the laboratory.

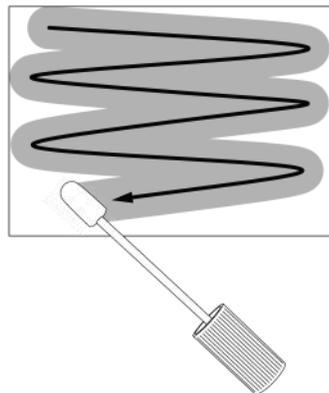


**Collection swab**  
hydrated with HiCap™  
Neutralizing Broth

**Enrichment broth**  
ready for instant use



open



collect



test

# Veriswab™

## Sampler

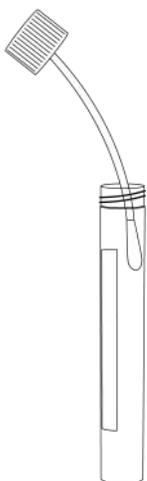
The Veriswab™ sampler is ideal for collecting samples from small areas with limited access such as cracks, crevices, and areas with small openings. Veriswab includes a 16x100 mm polypropylene tube and screw cap with an attached dacron-tipped swab on a high visibility blue shaft. The tube has a flat base that sits stably on a solid surface while a sample is being collected. Choose from multiple media and fill volume options to address common sampling regimes.



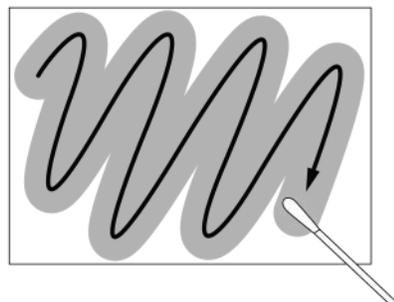
**Dacron tip**  
for small tight openings

**Bright blue shaft**  
for higher visibility

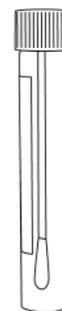
**Sample up to 100 cm<sup>2</sup>**



open



collect



test

# order your SWABS today

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email [orders@worldbioproducts.net](mailto:orders@worldbioproducts.net)



## PUR-Blue™ Swab 100/case Item #

HiCap™ Neutralizing Broth 1 ml, small tip	BLU-1HC-S*
HiCap™ Neutralizing Broth 1 ml	BLU-HC-P
HiCap™ Neutralizing Broth 5 ml	BLU-5HC
HiCap™ Neutralizing Broth 10 ml	BLU-10HC
Lethen Broth 1 ml, small tip	BLU-1LET-S*
Lethen Broth 5 ml	BLU-5LET
Lethen Broth 10 ml	BLU-10LET
Neutralizing Buffer 5 ml	BLU-5NB
Neutralizing Buffer 10 ml	BLU-10NB
Dry sterile swab	BLU-DRY

\*specifically designed for plate counts



## Veriswab™ Sampler 100/case Item #

HiCap™ Neutralizing Broth 1 ml	VS-1HC
HiCap™ Neutralizing Broth 10 ml	VS-10HC
Neutralizing Buffer 4 ml	VS-4NB
Neutralizing Buffer 10 ml	VS-10NB
Buffered Peptone Water 10 ml	VS-10BPW
Lethen Broth 1 ml	VS-1LET
Lethen Broth 4 ml	VS-4LET
Lethen Broth 10 ml	VS-10LET



## PUR-Blue™ DUO Swab 100/case Item #

HiCap™ 1 ml / Demi-Fraser Broth 9 ml	DUO-HC9DFB
HiCap™ 1 ml / Buffered Peptone Water 9 ml	DUO-HC9BPW

# put away the **LADDER**

collect samples safely with a pole

Make taking samples from hard to reach areas such as the inside of tanks and hard to reach HVAC vents safe and easy. Reach farther with 8 or 12 ft telescoping extension poles that work with our unique adapters made specifically for EZ Reach™ sponges and PUR-Blue™ swabs. Pick the best accessory for your sampling tool.

## Adapters & Extension Poles

Reach farther with extension poles and adapters made specifically for EZ Reach sponges and PUR-Blue swabs.

Adapters & Extension Poles	Item #
EZ Reach™ Sponge Adapter, 1 unit	EZ-ADAPT
PUR-Blue™ Swab Adapter, 1 unit	BLU-ADAPT
Extension Pole 8 ft, 1 unit	EXT POLE 8-FT
Extension Pole 12 ft, 1 unit	EXT POLE 12-FT



sample collection at the

# Poultry House



## Boot Swabs

Boot Swabs are stretchable, fabric boot covers with an integral elastic band designed to easily slide over a shoe or boot and remain securely in place for effortless collection of samples from the floor surface. Available pre-moistened with double strength skim milk, boot swabs are packaged as singles or pairs in a completely sealed, non-perforated, sample bag to ensure product integrity and quality.

Boot Swab	100/case	Item #
Double Strength Skim Milk, 18 oz bag, 1 swab		BOOT18-DSSM-1B
Double Strength Skim Milk, 24 oz bag, 2 swabs		BOOT-DSSM-2B

# Poultry House Samplers

Get the right monitoring tools for this critical control point



## EZ Reach™

The EZ Reach™ 4X sponge sampler, hydrated with double strength skim milk is excellent for monitoring poultry breeding facilities and grow houses as well as hatcheries and egg laying operations.

EZ Reach 4X	polyurethane	100/case	Item #
Double Strength Skim Milk	40 ml , 6.5"x13" bag		EZ4-40DSSM-PUR

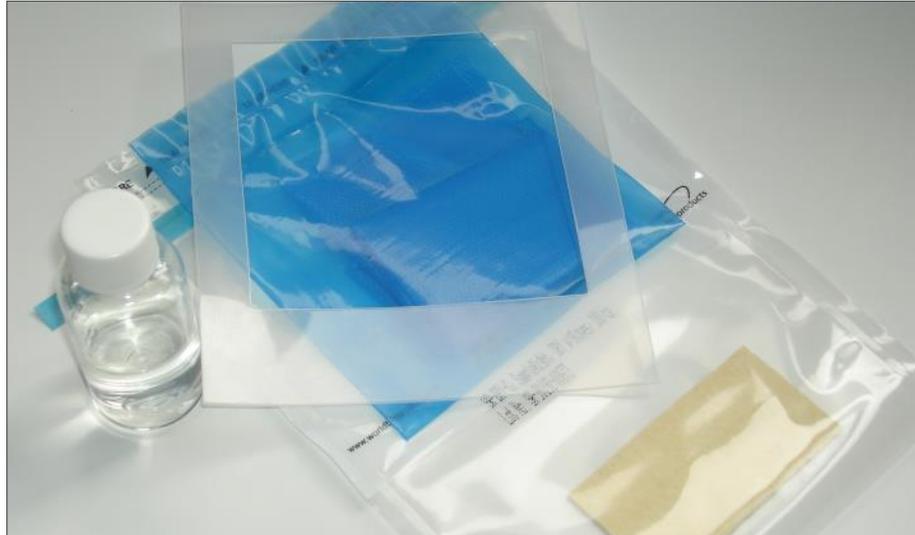


## Pull String Sampler

Designed to collect samples from poultry and other livestock housing facilities. A 4" x 4" 12-ply cotton gauze pad with an attached string is available pre-moistened with double-strength skim milk.

Pull String Sampler	100/case	Item #
Double Strength Skim Milk	10 ml gauze	PS-10DSSM-GAUZ

# simplified Carcass Sampling



## Carcass Sampling Kit

The Carcass Sampling Kit contains all the components needed to collect and transport 15 carcass samples according to the guidelines of the U.S. Pathogen Reduction Act. Kit components can also be brought separately to better match your workflow.

- Kit Contents:
- 15 sponges in wire closure sample bags
  - 15 pairs of gloves
  - 15 individually wrapped templates, 100 cm<sup>2</sup>
  - 15 bottles of Butterfield's Phosphate Buffer, 25 ml

Cattle/Swine Carcass Sampling Kit	Item #
(SR-DRY-G) dry cellulose sponge in a 24 oz sample bag with gloves, (CS-25BFD) 25 ml Butterfields Phosphate Buffer, and (TP-10x10-PLAIN) 100cm <sup>2</sup> plastic template, 15 each per kit	CSKIT-BFD
Carcass Sampling Items	Item #
Dry cellulose sponge w/glove 18 oz bag, 100/case	SR18-DRY-G
Carcass Sampling Bottle, Butterfield's Phosphate Buffer, 25 ml, 36/case	CS-25BFD
Turkey Template, 50 cm <sup>2</sup> , sterile, 50/case	TP-5X10-PLAIN
Cattle Swine Template, 100 cm <sup>2</sup> , sterile, 50/case	TP-10X10-PLAIN
Poultry Rinse Bag, 15x20 in, 2 mil polyethylene, sterile, 50/case	NSB-1319
Glove Packs, blue polyethylene, 100 pair/case	GP-BLUE-PE

# Carcass Sampling Sponges

Polyurethane won't tear, flake, or leave any debris behind



## EZ Reach™

EZ Reach™ polyurethane 100/case	Item #
Buffered Peptone Water 10 ml, 18 oz bag	EZ18FR-10BPW-PUR
Dry polyurethane sponge, 24 oz bag	EZ-DRY-PUR

## SampleRight™

SampleRight™ polyurethane 100/case	Item #
Buffered Peptone Water 20 ml, 18 oz bag w/gloves	SR18-20BPW-HDPUR-G
Buffered Peptone Water 25 ml, 18 oz bag	SR18-25BPW-HDPUR

SampleRight™ cellulose 100/case	Item #
Buffered Peptone Water 10 ml, 18 oz bag	SR18-10BPW
Dry cellulose, 18 oz bag	SR18-DRY
Dry cellulose, 18 oz bag w/gloves	SR18-DRY-G



# a better way to **PROCESS**

securely handle sample bags

## Dividable Tray

Get an easier way to handle, transfer and process microbiological samples in wire closure sample bags (i.e. Whirl-Pak® bags or World Bioproducts' sponge sampling products). The Dividable Tray provides a rigid walled cell that keep bags from bulging when enrichment media or diluent is added and thus minimizing the amount of media needed to completely cover larger samples and reducing media costs. Customize the layout into different configurations using the system's 3 parts (tray, long divider & short divider), each sold separately.



Dividable Tray	Item #
Blue tray, 1 unit each	DG-CONTAINER
Grey long divider, 1 unit each	DG-DIVIDER-LONG
Grey short divider, 1 unit each	DG-DIVIDER-SHORT

Sample Bags pg 30

# match the TRAY to your sample bag size



## EZ Reach sponges

Holds 24 (1 per cell) using 2x12 grid when used for EZ Reach 4X or 8X bags with enrichment broth or diluent.

- 1 DG-Container
- 1 DG-Divider-Short
- 6 DG-Divider-Long



## 18 oz sample bags

Holds 36 (3 per cell) using 2x6 grid when used for 18 oz EZ Reach or SampleRight bags with 100 ml of enrichment broth or diluent.

- 1 DG-Container
- 5 DG-Divider-Short
- 1 DG-Divider-Long



## 24 oz sample bags

Holds 24 (3 per cell) using 2x4 grid when used for 24 oz EZ Reach or SampleRight bags with 100 ml of enrichment broth or diluent.

- 1 DG-Container
- 1 DG-Divider-Short
- 3 DG-Divider-Long

Lever style tab  
for easier opening & closing



Wide mouth bottle  
to easily add material

Patented lock-down technology  
eliminates shrink wrap

Color coded, tamper evident label  
identifies type & volume of diluent

US patent 8.590.735 B2

## NovaLock™

### Dilution Bottles

NovaLock™ bottles are designed to be the easiest and most convenient dilution bottle available. No shrink wrap to remove and no strips to pull. The patented lockdown technology keeps the lid firmly in place during shipping and storage. The bottles can be effortlessly and aseptically opened by simply pressing upward on the lockdown tab. Color-coded tamper evident labels identify the type and volume of diluent in the NovaLock dilution bottle. The 1 ¼ inch (4.3 cm) wide opening makes it easy to add even bulky powder samples to the NovaLock dilution bottle.



NovaLock™ Dilution Bottles 60/case	Item #
Butterfield's Phosphate Buffer 90 ml	NLD-90BFD
Butterfield's Phosphate Buffer 99 ml	NLD-99BFD
Buffered Peptone Water (ISO) 90 ml	NLD-90BPW
Buffered Peptone Water (ISO) 99 ml	NLD-99BPW
Peptone Water 90 ml	NLD-90PW
Peptone Water 99 ml	NLD-99PW

Lever style tab  
for easier opening & closing

Lockdown tab  
secures lid for transport & storage

1 ml graduations  
for clear measurements



US patent 8.590.735 B2

# FlipRight™

## Prefilled Vials

FlipRight™ prefilled vials combine the best of innovation and practicality. The lockdown tab with the unique lever design makes FlipRight one of the most secure and easy to open tubes or vials available. Designed to be easily opened with either one or two hands, the FlipRight vial is perfectly suited for use in microbiology laboratories. They are ideal for a variety of applications including performing serial dilutions, growing cultures, or as a convenient source of pre-measured media for hydrating sponges.



FlipRight™ Prefilled Vials 100/case	Item #
HiCap™ Neutralizing Broth 9 ml	FRV-9HC
Butterfield's Phosphate Buffer 9 ml	FRV-9BFD
Butterfield's Phosphate Buffer 10 ml	FRV-10BFD
Buffered Peptone Water 9 ml	FRV-9BPW
Lethen Broth 9 ml	FRV-9LET



## Sample Bags

We offer the complete line of sterile Whirl-Pak® sample bags, including some of the most popular items listed here.

Standard Bags: plain, sterilized closure bags	Item #
2 oz. (58 ml) - case of 10,000	NSB-1009
4 oz. (118 ml) - case of 10,000	NSB-0679
7 oz. (207 ml) - case of 5,000	NSB-0992
13 oz. (384 ml) - case of 3,000	NSB-1018
18 oz. (532 ml) - case of 6,000	NSB-0736
24 oz. (710 ml) 3 mils - case of 3,000	NSB-1020
24 oz. (710 ml) 4 mils - case of 2,000	NSB-1063
27 oz. (798 ml) - case of 3,000	NSB-0990
36 oz. (1,065 ml) - case of 2,000	NSB-0994
42 oz. (1,242 ml) - case of 2,000	NSB-1027
55 oz. (1,627 ml) - case of 3,000	NSB-1532
69 oz. (2,041 ml) - case of 1,000	NSB-1323
92 oz. (2,721 ml) - case of 500	NSB-1445
123 oz. (3,637 ml) - case of 500	NSB-1446
184 oz. (5,441 ml) - case of 200	NSB-1447

Thio Bags: self-standing sterilized closure bags with a white write-on strip and a thiosulfate tablet included in bag	Item #
4 oz. (100 ml) not stand-up bag - case of 1,000	NSB-1040
4 oz. (100 ml) - case of 1,000	NSB-1402
10 oz. (300 ml) - case of 2,400	NSB-1403
17 oz. (500 ml) - case of 900	NSB-1601
34 oz. (1,000 ml / 1 L) - case of 600	NSB-1603

Write-On Bags: sterilized closure bags with a white write-on strip	Item #
2 oz. (58 ml) - case of 10,000	NSB-1064
4 oz. (118 ml) flat wire - case of 10,000	NSB-1339
4 oz. (118 ml) round wire - case of 10,000	NSB-1062
18 oz. (532 ml) round wire - case of 6,000	NSB-1065
18 oz. (532 ml) flat wire - case of 6,000	NSB-1341
24 oz. (710 ml) 3 mils - case of 3,000	NSB-1297
24 oz. (710 ml) 4 mils - case of 2,000	NSB-1196
27 oz. (798 ml) - case of 3,000	NSB-1491
55 oz. (1,627) - case of 1,000	NSB-1195
69 oz. (2,041 ml) - case of 1,000	NSB-1515

Stand-Up Bags: self-standing sterilized closure bags with white write-on strip	Item #
4 oz. (118 ml) - case of 6,000	NSB-1364
18 oz. (532 ml) - case of 3,000	NSB-1365
24 oz. (710 ml) - case of 3,000	NSB-1401
69 oz. (2,041 ml) - case of 500	NSB-1451
138 oz. (4,080 ml) - case of 200	NSB-1542

Filter Bags: sterilized bags with white write-on strip and a 330 micron filter layer	Item #
7 oz. (207 ml) - case of 5,000	NSB-1385
24 oz. (710 ml) - case of 1,500	NSB-1348
52 oz. (1,538 ml) round bottom - case of 1,000	NSB-1239
55 oz. (1,627 ml) - case of 500	NSB-1318
55 oz. (1,627 ml) no closure - case of 500	NSB-1547
69 oz. (2,041 ml) - case of 500	NSB-1416
92 oz. (2,721 ml) - case of 200	NSB-1488
138 oz. (4,080 ml) - case of 200	NSB-1525
185 oz. (5,442 ml) plain, filter sleeve fits 10 ml pipette to prevent clogging tip - case of 500	NSB-1474

Specialty Bags: specific use, added features	Item #
Specialty USDA Bags, 24 oz, Fill-Line for Ground Meat Samples, 6x9", 3mil, - case of 500	NSB-1538
Specialty Poultry Rinse Bags - 184 oz., 15x20" (37.5 x 50 cm) - case of 500	NSB-1319
Specialty Scoop Bags - 18 oz. (532 ml) with white scoop - case of 1,000	NSB-1350



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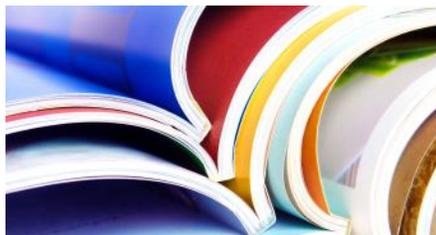
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# A Commitment To Sustainability

taking steps to reduce our impact on the world



## Responsible Cardboard Sourcing

- All flutes are made from 100% recycled material
- Our supplier's wood and fiber procurement practices are certified to the Sustainable Forestry Initiative (SFI) and the Chain of custody Certification from Sustainable Forestry Initiative (SFI), Forest Stewardship Council (FSC), and Program for the Endorsement of Forest Certification (PEFC)
- Controlled Wood Risk Assessment – independent analysis determined that all basins in which Georgia-Pacific operates are at low risk for impacting high conservation value forests, conversion to plantations or non-forest use, illegal harvesting, violating traditional and civil rights, and use of genetically modified trees.



## Hello Sunshine

- 450 solar panels harness the sustainable energy of the sun to power our manufacturing operations. Producing over 250,000 kWh of energy and reducing CO2 emissions by 174 tons each year.
- Use of more than 500 low energy LED bulbs reduces energy consumption for lighting by 63%.



## Keep Cool

- Use of high efficiency HVAC units reduces energy consumption by approximately 12,000 kWh per year.



## Recycling Plastic Wrap

- Cardboard and plastic wrap recycling programs keep 2-3 tons of cardboard and ½ ton of stretch wrap out of landfills each year.



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