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Guide to Sampling Tools and Accessories

Listed below is an index of the products most commonly used in air, liquid, paste, particulate, and solid sampling. If you don't see what you're looking for, go to our web site for more products. And if you still can't find a product to meet your needs, call our Application Specialists and they will try to source the right product for you.

Air Sampling	2-17	Racks	1446-1449
Bags	48-50	Sample Containers	331-335
Brushes	182-183	Scoops & Spoons	1526-1529
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Powder & Particulate Sampling	1523-1524	Water Sampling	1983-1996



Multipro Sector Probes

Ideal for sampling powders, grains, seeds, and pellets



33687-32

These multisector samplers are ideal for sampling powders, pellets, and other materials which may become nonhomogeneous in bags at various levels.

To collect sample, turn the T-shaped handle to close the cells and insert the steel point into the container. When the sampler is deep enough to cover all sectors, turn the handle half way to open the cells to allow the samples to enter. Then, return handle to its original position. The sample can now be removed and the different samples placed into containers for analysis.



Specifications

Materials of construction: anodized aluminum with stainless steel tip

Sterilize: yes

Catalog number	Capacity	Dimensions (L x dia)		Price
		in.	cm	
TW-33687-32	20 cc	21¼ x ¾	56.0 x 2.0	
TW-33687-35	20 cc	31½ x ¾	80.0 x 2.0	

Powder/Mipaw Sampler

Delivers powder samples from large bags



33687-28

This sampler is ideal for such products as powdered milk, flour, starch, and other powders. To use, simply puncture the bag with the end of the sampler and the hollow handle fills up with the product sample.

The durable sampler is constructed from chromium-plated brass with light alloy handle and can be sterilized.



Specifications

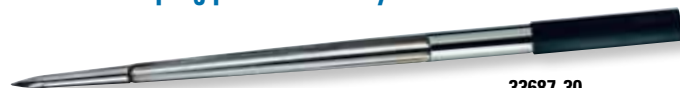
Materials of construction: chromium-plated brass with light alloy handle

Sterilize: yes

Catalog number	Capacity	Dimensions (L x dia)		Price
		in.	cm	
TW-33687-28	200 cc	18¾ x 1½	48.0 x 2.8	

Needle-Point/Pic Sampler Probe

Made for sampling powders and crystals



33687-30

The needle-point sampler is designed to puncture paper or polyethylene bags with minimum damage. To use, puncture bag and insert the probe. The probe enters a maximum of 11" (28 cm) and is extracted with the sample stored inside the hollow handle. To release, tip the Pic sampler backward. A bag can be positioned over the handle for sample collection. Seal hole with adhesive tape or appropriate label.



Specifications

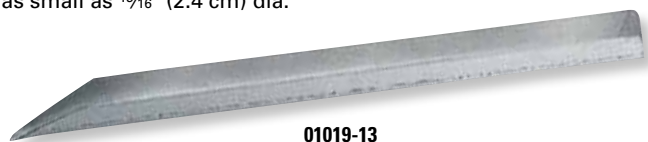
Materials of construction: chromium-plated brass probe, aluminum handle

Sterilize: yes

Catalog number	Dimensions		Price
	in.	cm	
TW-33687-30	¾" dia base	1.9 dia base	

"Reagent-Digger" Spatula

Facilitates scooping and measuring of powdered, flaked, crystalline, or granular media—especially useful for dislodging caked or crystallized reagents. Uniquely shaped, 304 stainless steel spatula fits reagent vessels with openings as small as 15/16" (2.4 cm) dia.



01019-13

Catalog number	Overall length		Qty/ pk	Price/ 1 pk
	in.	cm		
LZ-01019-13	6½	16.5	12	

Cole-Parmer SpatulaBalance™

Unique spatula both scoops material and instantly displays weight

- Scoop design eliminates spilling
- Three-position soft-touch keys in the handle tares (sets to zero), holds (freezes the display), and changes grams/ounces
- Lightweight—only 3 oz

Balance with digital display is located right in the easy-grip spatula handle. SpatulaBalance transfers and weighs crystals, granulated material, solids, liquids, precipitates, and chemicals.



Markings on see-through scoop are graduated from 5 to 30 mL in 5-mL increments for weighing liquids with ease. Chemical- and corrosion-resistant ABS plastic construction allows transferring materials without sticking. Scoop detaches from balance for effortless dishwasher-safe cleaning. LCD indicates low-battery condition.

What's included: NIST-traceable report supplied by the manufacturer and two AAA batteries.

Specifications



Spoon capacity: 32 mL
Weighing range: 0 to 300 g
(0 to 10.580 oz)

Dimensions (W x H x D): 2" x 1" x 9"
(5.1 x 2.5 x 22.9 cm)

Power: two AAA batteries, over 1 year use

Cat. no.	Capacity	Readability	Repeatability	Accuracy	Price
LZ-01019-11	300 g	0.1 g	±0.1 g	±0.2 g	

[LZ-09376-00](#) Replacement batteries, AAA. Pack of 12

Soft, Solid, & Frozen Material Samplers

Choose the sampling tool right your application

The Trier Sampler is ideal for solids such as cheese or margarine; the Piston Sampler is designed to sample soft, pasty materials; and the Frozen Probe is perfect for sampling frozen materials. Piston and Trier samplers are sharp enough to puncture bags and boxes. Frozen Probe can be used manually or with an electric drill. Piston and Frozen Probe both come complete with an expelling plunger.



33687-36



33687-38



33687-40 (drill not included)

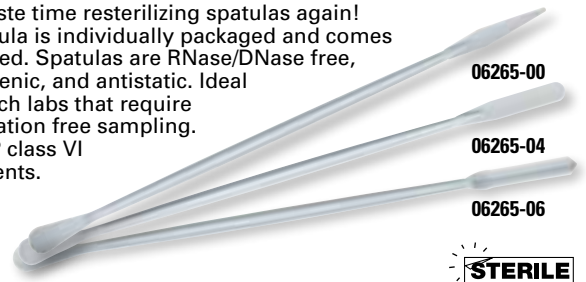
Catalog number	Type	Capacity	Dimensions (L x dia)		Price
			in.	cm	
TW-33687-36	Trier	17 mL	6 ¹ / ₁₆ x 5/8	17.7 x 1.5	
TW-33687-38	Piston	13 mL	10 ¹ / ₄ x 7/16	26.0 x 1.2	
TW-33687-40	Frozen	24 mL	9 ¹ / ₂ x 7/8	24.5 x 2.1	

Disposable Sterile Spatulas

Modified polystyrene construction is nontoxic and chemical resistant

- Gamma radiation sterilized—no ETO residues
- Opposing end of each spatula features small spoon

Never waste time resterilizing spatulas again! Each spatula is individually packaged and comes presterilized. Spatulas are RNase/DNase free, nonpyrogenic, and antistatic. Ideal for research labs that require contamination free sampling. Meet USP class VI requirements.



06265-00

06265-04

06265-06



Catalog number	Description	Overall length		Qty/cs	Price/cs
		in.	cm		
LZ-06265-00	Tapered blade/spoon	9 ¹ / ₁₆	24.6	100	
LZ-06265-04	Round end/spoon	9 ¹ / ₁₆	24.6	100	
LZ-06265-06	V-scoop/spoon	9 ¹ / ₁₆	24.6	100	

Sterile Scoop An' Bag, PS/PE

Easily and quickly collect sterile samples with repeatable results. This sample collection system is designed for QA sampling of raw materials and food processing. The white polystyrene scoop is FDA compliant. The polyethylene collection bag features a swirl type closure. Both scoop and bag are individually sterilized and bagged together in a sterile polyethylene package. Every package is lot-traceable.

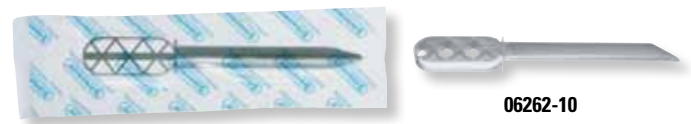


06260-15



Catalog number	Scoop capacity mL (oz)	Scoop handle	Bag size (W x L)	Qty/cs	Price/cs
LZ-06260-15	60 (2)	4" (10.2 cm) L	4 ¹ / ₂ " x 9" (11.4 x 22.9 cm)	50	

Sampling Spatulas



06262-00

06262-10

Spatulas feature a sharp point which lets you puncture bags for direct sampling. Sturdy edge breaks up caked material. V-shaped trough measures 6" (15.2 cm) L x 3/4" (1.9 cm) W and holds 15 mL level full.



Catalog number	Description	Qty/cs	Price/cs
LZ-06262-00	Polystyrene, sterile	100	
LZ-06262-10	Polypropylene, non-sterile	12	

Drum and Tank Samplers

FEP construction makes samplers inert—no leachable fillers or plasticizers

- No glass parts to break for added safety and protection
- Translucent material makes it easy to identify layers
- Easy to clean

A Dipstik® Samplers

Sample free-flowing liquids from almost any source. Safety-pour top permits safe and neat transfer of contents. Push/seal bottom snaps close easily. Polypropylene samplers have heat welded bottom caps.

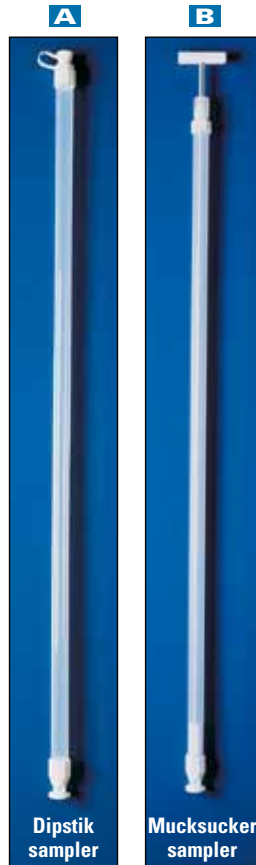


Catalog number	Length	Volume (ml)	Price
Dipstik samplers, FEP			
LZ-99200-00	3½ ft (1.1 m)	200	
LZ-99200-02	7 ft (2.1 m)	475	
Disposable Dipstik sampler, polypropylene			
LZ-99200-10	3½ ft (1.1 m)	200	
LZ-99200-12	7 ft (2.1 m)	475	

B Mucksucker® Samplers

High-suction syringe action is ideal for viscous fluids. Come with both a push/seal bottom and a coring bottom. Coring bottom features a wide mouth for handling sludge samples. PTFE construction.

Catalog number	Length	Volume (ml)	Price
LZ-99200-20	3½ ft (1.1 m)	200	
LZ-99200-22	7 ft (2.1 m)	475	



Sludge Judge® Sludge Samplers

Measure settled solids in sewage treatment plants, chemical plants, or food processing facilities

- Take accurate, noncaustic measurements of settleable solids, 5% or less

A variety of Sludge Judge samplers are available to fit your sampling needs. Order complete assemblies to receive three 5-ft (1.5-m) sections that screw together, or separate component pieces if customized sampler lengths are desired. The bottom piece has a ball valve that allows liquid in when lowered into the sample and seals the sample when raised from the liquid. The middle section connects the top and bottom sections; order additional middle sections to increase the overall length. The top section has a nylon rope that aids in sampling. All sections feature 1-ft (0.3-m) increments which let you easily indentify how much sludge is in the sampler body.

Basic Sludge Judge and Sludge Judge Ultra versions have ¾" (1.9 cm) diameter pipe sections and hold approximately 3 oz (89 mL) of fluid per foot. Sludge Judge II version has 1¼" (3.2 cm) diameter pipe sections doubling the overall capacity of the sampler. Sludge Judge Ultra additionally features an ultraviolet stabilizer which reduces material degradation from UV light.



05465-70

Cat. no.	Description	Length	Price
Sludge Judge sampler, ¾" (1.9 cm) diameter			
LZ-05465-70	Sludge Judge; top, middle, bottom sections	3 x 5 ft (1.5 m)	
LZ-05465-72	Replacement bottom section with valve	5 ft (1.5 m)	
LZ-05465-74	Replacement middle section/extension section	5 ft (1.5 m)	
LZ-05465-76	Replacement top section with nylon rope	5 ft (1.5 m)	
Sludge Judge II sampler, 1¼" (3.2 cm) diameter			
LZ-05465-30	Sludge Judge II; top, middle, bottom sections	3 x 5 ft (1.5 m)	
LZ-05465-31	Replacement bottom section with valve	5 ft (1.5 m)	
LZ-05465-32	Replacement middle section/extension section	5 ft (1.5 m)	
LZ-05465-33	Replacement top section with nylon rope	5 ft (1.5 m)	
Sludge Judge Ultra sampler, ¾" (1.9 cm) diameter, UV resistant			
LZ-05465-40	Sludge Judge Ultra; top, middle, bottom sections	3 x 5 ft (1.5 m)	
LZ-05465-41	Replacement bottom section with valve	5 ft (1.5 m)	
LZ-05465-42	Replacement middle section/extension section	5 ft (1.5 m)	
LZ-05465-43	Replacement top section with nylon rope	5 ft (1.5 m)	

LZ-05465-77 Canvas carrying case

LZ-05465-78 Cleaning brush

HDPE Coliwas

Sample multiphase liquid wastes with a wide range of viscosity, corrosivity, volatility, and solids content!

- Manufactured of high-density polyethylene
- Designed to meet EPA standards

Sampler consists of a 5-ft x ¾" ID (1.5 m x 1.9 cm) closure system, and closure-locking mechanism.



Cat. no.	Description	Length	Price
LZ-99155-00	Coliwas sampler	5 ft (1.5 m)	

†Not for use with ketones, nitrobenzene, dimethylformamide, mesityl oxide, and tetrahydrofuran.

Extendable Tank Sampler

Sample at any depth with 5-ft (1.5-m) section additions

- Constructed of ¾" (1.9 cm) diameter durable butyrate plastic pipe

Sampler includes two 5-foot (1.5-m) sections and holds approximately three ounces per foot.



Cat. no.	Description	Length	Price
LZ-99155-20	Extendable tank sampler	10 ft (3.0 m)	

LZ-99155-22 Additional extension, 5-ft (1.5 m) length

Drum and Liquid Samplers

Chemical-resistant HDPE is ideal for corrosive environments. Samplers have four ports to allow the sample container to fill adequately. The drum sampler 99152-70 is specially designed for sampling from 55-gallon drums or containers with openings as small as 2" (5.1 cm) ID. Samplers 99152-75 and -80 have a larger sampling capacity and are ideal for most industrial and environmental applications. Rod diameter is 1¼" (3.2 cm). Bottle with cap is included.

99152-70

Cat. no.	Capacity (mL)	Length	Price
LZ-99152-70	100	3 ft (0.9 m)	
LZ-99152-75	500	6 ft (2 m)	
LZ-99152-80	500	8 ft (2.4 m)	

LZ-99152-71 Replacement graduated sampler bottles, PP, 100 mL. Case of 100

LZ-99152-76 Replacement graduated sampler bottles, PP, 500 mL. Case of 50