

## Isco ProPak 1000 ml Disposable Sample Bags

### Ordering Information

The bags and related parts can be ordered as kits in many combinations and quantities. The kit part numbers are listed below.

Description	Part Number
ProPak Kit #1 - Includes 25 holders with foam-lined caps, 1000 ProPak Sample bags, 1 retaining ring, and instruction sheet.	68-6700-085
ProPak Kit #2 - Includes 25 holders with Teflon-lined caps, 1000 ProPak Sample bags, 1 retaining ring, and instruction sheet.	68-6700-086
ProPak holders, set of 25 with foam-lined caps	68-6700-087
ProPak holders, set of 25 with Teflon-lined caps	68-6700-088
ProPak holders, set of 100 with foam-lined caps	68-6700-089
ProPak holders, set of 200 with foam-lined caps	68-6700-090
ProPak holders, set of 500 with foam-lined caps	68-6700-091
100 foam-lined caps	68-2100-010
200 foam-lined caps	68-6700-092
500 foam-lined caps	68-6700-093
100 Teflon-lined caps	68-2100-003
200 Teflon-lined caps	68-6700-094
500 Teflon-lined caps	68-6700-095
1,000 ProPak sample bags	68-6700-096
5,000 ProPak sample bags	68-6700-097
10,000 ProPak sample bags	68-6700-098
50,000 ProPak sample bags	68-6700-099
1,000 bar-coded labels	68-6700-100
50,000 bar-coded labels	68-6700-103
1 holder, 1 foam-lined cap	68-6700-104
1 retaining ring	60-9003-475



**Isco, Inc.**  
P.O. Box 82531  
Lincoln, NE 68501 USA  
Phone: (402) 464-0231  
USA & Canada: (800) 228-4373  
Fax: (402) 465-3022  
E-Mail: [info@isco.com](mailto:info@isco.com)

# Isco ProPak 1000 ml Disposable Sample Bags

## Introduction

Isco ProPak™ Disposable Sample Bags (patent 5,390,553, and other U.S. and foreign patents pending) are another sample collection option from Isco. The bags allow easy sample handling and eliminate the chore of cleaning bottles for reuse.

The ProPak sample bags can be used in the 24 bottle configurations of the following samplers:

- 3700 standard-size portable sampler
- 3700FR/3720 refrigerated sampler
- 3700R/3740 refrigerated sampler
- 6712/6700 standard-size portable samplers
- 6700FR refrigerated sampler
- 6712FR/6712SR refrigerated samplers

The holder maintains the shape of the bag and aligns the containers in the sampler bases and racks. The top of the holder is threaded so you may seal the bags with caps for transport to the lab.

The 3.0 mil sample bag is made of tough, FDA certified low-density polyethylene (LDPE).

Bar-coded adhesive labels are available to simplify sample bag numbering and chain-of-custody.

## Installation Note

In older bottle tubs and racks, the bottle hold down apparatus may interfere with the sample bag holders. Always make certain the holders are fully inserted into the bottom of the rack or tub. Dry run the distributor to make certain the holders do not obstruct the movement of the distributor arm.

## Sample Cooling

Samples can be cooled in several different ways. Ice can be put into the center of the sampler base just as with regular bottles. When the ice melts,

the water will be in direct contact with the bags to cool the samples fast. This water will not affect the bag's capacity.

If more cooling is required, select a container that will fit inside the retaining ring, yet short enough to stay clear of the distributor arm. Fill this container with water and freeze it. After the sample bag holders are in place, fill the sampler base with cold water to a depth of 1 inch. Then insert the frozen container through the center of the retaining ring. Again, the water in the sampler base will not affect the bag's capacity.

## Post-Sampling Instructions

To transport the samples, leave the bag in the holder and install Teflon® or foam-lined caps on the holders over the bag opening.

### Disposal or Recycling

When you are finished with the bags, they may be disposed of or recycled. Before choosing a method of disposal or recycling program, first consider what the bag has come in contact with.

### CAUTION

**If the sample bag has been in contact with contaminants or hazardous materials, your disposal procedures must comply with regulatory directives.**

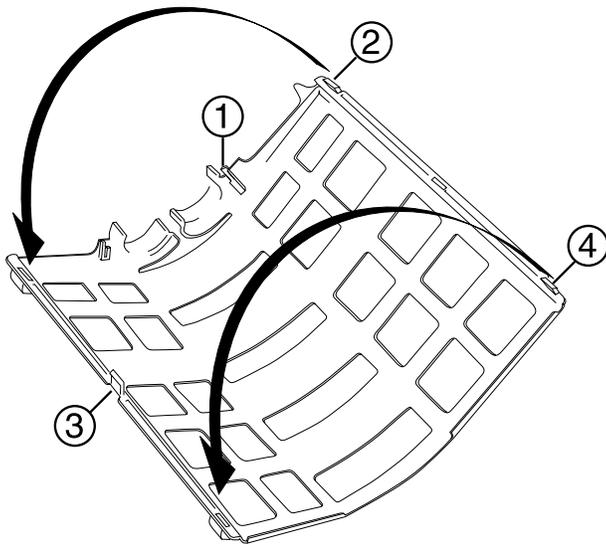
If the bags qualify as general waste, consider recycling instead of disposing the bag. To assist you with sorting plastics for recycling, the bags are labeled with the Society of the Plastics Industry (SPI) code. This symbol identifies the plastic as low-density polyethylene.



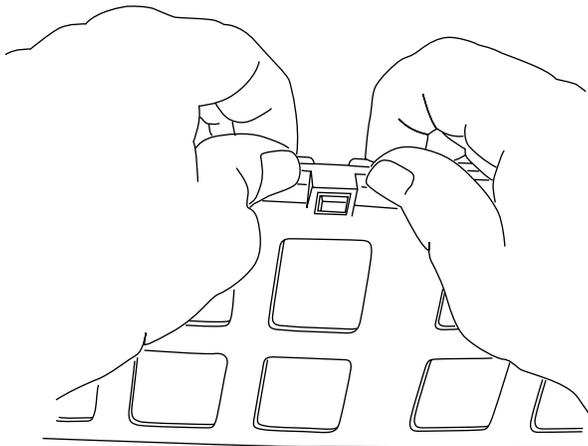
## Specifications

Capacity	1000 ml nominal
Material	3 mil low-density polyethylene (LDPE), FDA certified
Construction	1/8" heat-welded double seams
Sample Identification	Writable surface on bag; Optional bar-code labels
Holder	Wedge-shaped, polypropylene construction. Fits in place of Isco 1000 ml or equivalent wedge-shaped bottle.
Closure	Foam- or Teflon-lined screw caps seals bag in holder
Recommended Temperature Range	Sample Bag: -40° to 167°F (-40° to 75°C) Holder: -40° to 284°F (-40° to 140°C)

## Preparing the Holder

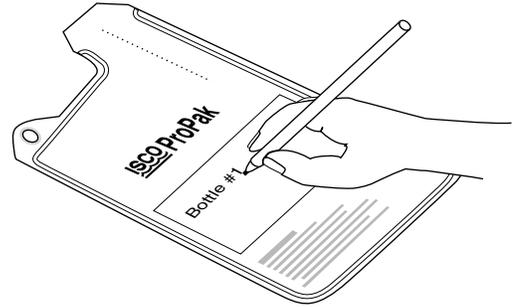


1. Fold the bottle until the four “hooks” meet.

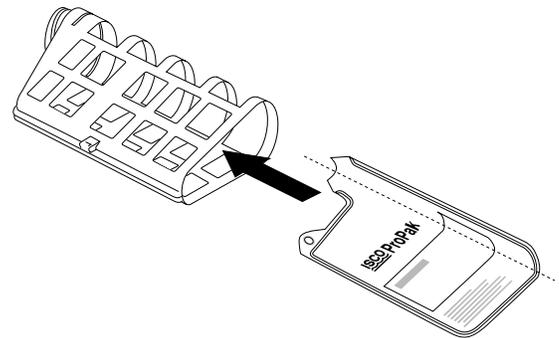


2. Snap each of the four points together.

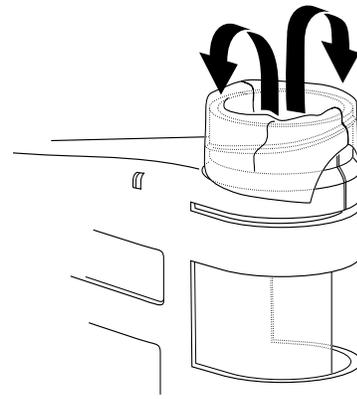
## Inserting the Liner



1. Label the bag with any required information. A ball-point pen will work, but a felt-tip marker with permanent ink is recommended.

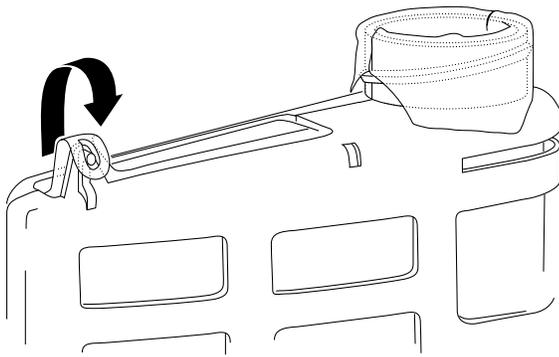


2. Fold and insert the sample bag into the holder. The tabs on the bag should extend through the neck of the holder.

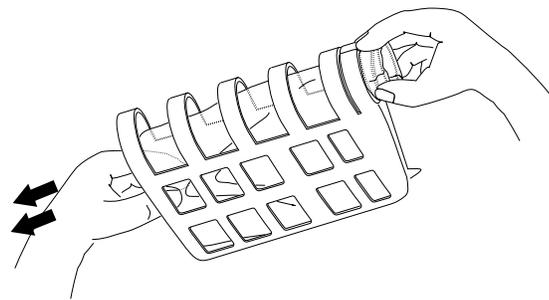


3. Fold the tabs over the holder's neck.

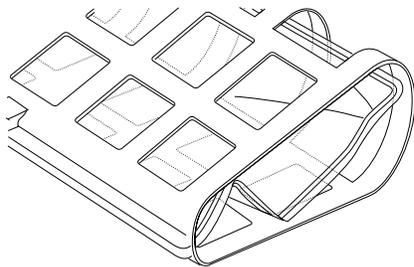
## Isco ProPak 1000 ml Disposable Sample Bags



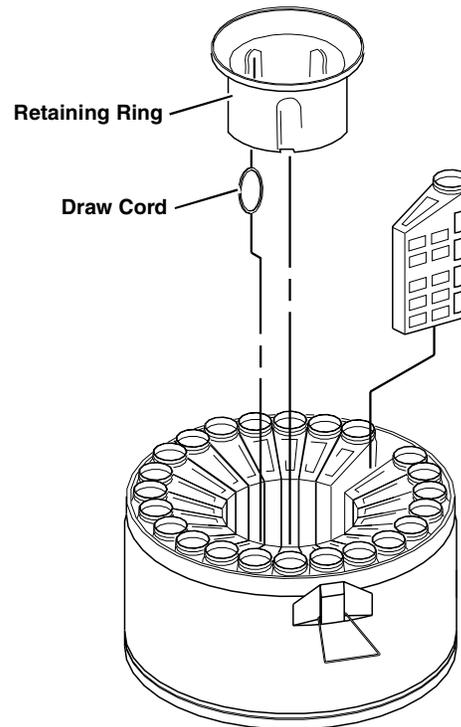
- 4.** Attach the top corner of the sample bag to the retainer on the holder.



- 5.** Grasp the tabs and the holder's neck. With the other hand, gently pull the bottom of the bag and rub the sides of the bag together. This opens the bag.



- 6.** Remove all folds and curls from the bag. The bag's side seams should be vertically aligned with the front and back edges of the holder. The bottom edge of the bag should look similar to the illustration above.



- 7.** When the bags have been inserted in the holders, place them in the 24 bottle base or rack. Use a retaining ring to secure the holders in the base/rack. Place the ring over the center of the holders and attach the three elastic draw-cords.

### **Notes**

1. Folds and curls left in the bag will reduce its capacity.
2. It is important to keep the front and back seams of the bag straight so that it opens completely.
3. It is important for the neck of the bag to be open. If the neck is not open the bag will not fill. (See step 5.)
4. **Do not blow into the bag to expand it.** This may introduce contaminants into your sample.
5. If you have numbered the sample bags to correspond with bottle numbers, ensure they are positioned correctly in the bottle base or rack.