

DuPont™ StatMedia™ Soluble Packets

Buffered Peptone Water

Order information

12613906* 30 x 67.5g packets (make 3.375L each)
12613937* 100 x 20g packets (make 1L each)
12613910* 500 x 4.5g packets (make 225 mL each)

*Gamma irradiated

Intended use

Buffered peptone water is a nonselective enrichment medium for recovering *Salmonella* species from meat, poultry, natural cheese, liquid eggs, or alfalfa sprouts.

When used with the BAX® detection system, meat and poultry samples require only this single enrichment. Other food types may require a subsequent three-hour secondary enrichment before processing with the BAX® system.

Description

This medium provides nutrients and stable pH conditions to improve the recovery of *Salmonella* cells in a variety of foods, especially those that have been injured by food preservation processes.

Appearance

Dehydrated: Straw-colored powder in clear film
Rehydrated: Straw-colored solution

Storage and stability

Store soluble packets in tightly resealed pouches away from moisture at 10-25°C. Use within one year of the manufacturing date stamped on the pouch label.

Preparation

Determine the appropriate volume of distilled/deionized water (see directions on pouch), and sterilize either by autoclaving or filtering (pore size 0.2 µm) into a sterile container. Warm the water to 35°C, then aseptically remove packet from pouch and add to the sterile water. Mix gently until dissolved. Final pH 7.2 ±0.2 at 25°C.

No need to autoclave if used within 4 hours. Beyond 4 hours, broth should be autoclaved before use. Do not boil. Autoclaved broth can be stored for up to 2 weeks at 2-8°C.

BAX® System Enrichment Procedure

To use DuPont™ StatMedia™ Buffered Peptone Water with the BAX® System, pre-warm the broth and then add sample in a 1:10 dilution:

- 25 g sample in 225 mL broth
- 375 g sample in 3.375 L broth
- 1L volume can be dispensed to accommodate other sample sizes

Incubate 20-26 hours at 35±1°C for most foods. Some foods required a secondary enrichment in BHI broth. See the BAX® System User Guide for details on enrichment.

DuPont™ StatMedia™ can also be used with reference methods that use Buffered Peptone Water for enrichment, such as those specified in the FDA BAM manual for detecting *Salmonella*.

DuPont Qualicon

USA 1.800.863.6842 | UK +44 (0) 1438 734500 | Singapore +65 6586 3635 | qualicon.com



The miracles of science™