

Buffered Peptone Water / BPW (TBS8069)

DESCRIPTION

Buffered Peptone Water (BPW) is used for the non-selective pre-enrichment of *Salmonella* spp. from food. *Salmonella* spp. that may be present in a food product can be sub-lethally injured by food processing techniques. These injured *Salmonella* spp. may not be recovered by direct selection techniques. Buffered Peptone Water is a non-selective pre-enrichment broth that promotes the recovery of those bacteria that may be injured.

Peptone in the media supplies nitrogenous compounds needed for the growth of bacteria. The phosphate salts provide buffering capacity to maintain the pH. Maintenance of the pH is important when attempting to recover injured bacteria, because a low pH can be detrimental to the repair of the damaged cells.

COMPONENTS:

Peptone: 1%
Sodium Chloride: 0.5%
Disodium Phosphate: 0.35%
Monopotassium phosphate: 0.15%

pH: 7.2 ± 0.2

PACK SIZE

500 mL/bottle and 1 L/bottle, sterile.
Store at 15-25°C stable for 2 years.

PREPERATION FOR BACTERIA CULTURE

This product is recommended to be directly used for *Salmonella* spp cultures.

RELATED PRODUCTS

Pen-strep-fug solution (TBS8037)
Pen-strep solution (TBS8029)
Cell Culture Grad Water (TBS5050)
LB Medium (TBS8056)
SOB Medium (TBS8057)
SOC Broth Medium (TBS8058)
2xYT Broth Medium (TBS8059)
TSB Medium (TBS8065)
mTSB Medium (TBS8066)
HT Supplement (TBS8073)
Hybridoma Growth Medium (TBS8074)
HAT Supplement (TBS8075)
2x HBS, pH7.05 (TBS5076)

Research use only.