**Buffered Peptone Water**

Buffered Peptone Water is a pre-enrichment medium for maximising the recovery of all species from foods prior to selective enrichment, isolation and identification.

The composition and performance criteria of this medium comply with the recommendations of the International Standard Organisation ISO 6579-2002.

Insterprep sterile granulated media is available in prefilled Stomacher® bags or prefilled sachets as per below table:

|  |  |  |  |
| --- | --- | --- | --- |
| **Product Code** | **Description** |  |  |
| INS-2101-300NO | Buffered Peptone Water (Bag, Granules for 90ml) | 300 | 30 Sachets of 10 bags |
| INS-2101-60NO | Buffered Peptone Water (Bag, Granules for 90ml) | 60 | 6 Sachets of 10 bags |
| INS-2100-300NO | Buffered Peptone Water (Bag, Granules for 225ml) | 300 | 30 Sachets of 10 bags |
| INS-2100-60NO | Buffered Peptone Water (Bag, Granules for 225ml) | 60 | 6 Sachets of 10 bags |
| INS-2200-100NO | Buffered Peptone Water (Sachet, Granules for 90ml) | 100 |  |
| INS-2300-250NO | Buffered Peptone Water (Sachet, Granules for 3375ml) | 250 |  |

The Insterprep® Stomacher® blender bag contains granulated Buffered Peptone Water media to which sterile de-ionised water and sample material is added. These bags come in TVC and pathogen test formats for 90ml & 10g and 225ml & 25g respectively.

The Insterprep® Sachet contains either 5 g of granules to make up 225 ml or 75 g to make 3,375 ml.

The dehydrated culture medium is irradiated sterile. Certificates of irradiation are available upon request.

**Mode of Action**

The broth is rich in nutrients and produces high resuscitation rates for sub lethally injured bacteria.

The high buffering capacity of Buffered Peptone Water throughout the pre-enrichment period allows injured cells to repair and grow.

**Typical Composition\* (g/L)**

***Ingredients Grams/Litre***

Enzymatic digest of casein 10.000

Sodium chloride 5.000

Disodium hydrogen phosphate.12H2O 9.000

Potassium dihydrogen phosphate 1.500

Final pH (at 25°C) 7.0±0.2 pH

\*Formula adjusted, standardized to suit performance parameters

**Storage**

Product is light and temperature sensitive. Protect from freezing.

Upon receipt store at 2-30 ºC away from direct light. Media should not be used if there are any signs of contamination, deterioration, discoloration, or if the expiration date has passed. Buffered Peptone Water should appear clear and colorless to straw in colour when reconstituted.

The expiration date applies to the product in its intact packaging when stored as directed.

**Quality control**

Buffered Peptone Water should appear clear and colorless to straw in colour.

***Organism Inoculum (CFU) Growth Recovery***

*Salmonella Enteritidis ATCC13076 50-100 luxuriant >=50%*

*Salmonella Typhi ATCC6539 50-100 luxuriant >=50%*

*Salmonella Typhimurium ATCC14028 50-100 luxuriant >=50%*

*Escherichia coli ATCC25922 50-100 fair-good 30-40%*

*Pseudomonas aeruginosaATCC 27853 50-100 luxuriant >=50%*

**Ordering Information**

Ready to use for microbiological sample preparation, Insterprep® Buffered Peptone Water.

**Bag**

***Product Cat. Pack size***

INS-2101-300NO 30 Sachets of 10 bags (90ml)

INS-2101-60NO 6 Sachets of 10 bags (90ml)

INS-2100-300NO 30 Sachets of 10 bags (225ml)

INS-2100-60NO 6 Sachets of 10 bags (225ml)

**Sachet**

 ***Product Cat. Pack size***

 INS-2200-100NO 225ml 100 sachets

 INS-2300-250NO 3375ml 100 sachets

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