

B I O S I D E

BUFFERED PEPTONE WATER

READY TO USE MEDIA

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INTENDED USE

Buffered Peptone Water is used:

- as a diluent for the enumeration of micro-organisms. It complies with the standards ISO 6887 all parts (*Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination*);
- as a non-selective pre-enrichment medium for the detection of Salmonella in food products and environmental samples. It complies with the standard ISO 6579 (*Microbiology of food and animal feeding stuffs - Horizontal method for the detection of Salmonella spp*);
- as a diluent for the enumeration of Listeria monocytogenes. See the standard ISO 11290-2 (*Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of Listeria monocytogenes*);

PRINCIPLE

Buffered Peptone Water allows the cells time to repair and multiply, before being introduced into selective culture, improving the chances of recovering Salmonella spp. from the sample. Buffered Peptone Water contains a mixture of peptones which encourage optimal growth of the species sought in food microbiology, and in particular Salmonella, Sodium chloride maintains the osmotic balance and the Phosphates buffer the media.

POWDER COMPOSITION (typical formula)

- | | |
|----------------------------------|----------|
| – Enzymatic digest of casein | 10,0 g/l |
| – Sodium chloride | 5,0 g/l |
| – Disodium hydrogen phosphate | 3,5 g/l |
| – Potassium dihydrogen phosphate | 1,5 g/l |

(pH 7.2 ± 0.2 at 25 °C of reconstitute media)

* adjusted as required to meet performance standards.

WARNINGS AND PRECAUTIONS

For professional use only.

Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic or research.

These products do not contain any dangerous substances in concentrations >1%.

All specimens, microbial cultures and inoculated products should be considered infectious and handled appropriately.

Aseptic technique and usual precautions for handling the bacterial group studied should be observed.

Culture media should not be used as manufacturing material or components.

Do not use reagents after the expiry date.

Do not use media which show signs of contamination.

Do not open packaging using a knife.

Before use, make sure the tamper-proof systems are intact (capsule, seal, stopper).

The medium should be used according to the procedure indicated in this package insert, any change or modification in the procedure may affect the results.

STORAGE AND SHELF-LIFE

The product can be used for sampling until the expiry date if stored upright, protected from sunlight and properly sealed at +2 °C to +8 °C.

INSTRUCTIONS FOR USE

The medium is ready to use.

QUALITY CONTROL

Buffered Peptone Water is designed and developed to meet requirements of ISO 11133 (*Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media*).

The results of the strains tested in the batch by batch quality control are given on the quality control certificate available on request.

LIMITATIONS

Given the wide variety of specimens studied, it is the responsibility of the user to validate this medium for its specific intended use. For performance test use stable, typical control cultures.

Growth depends on the requirements of each individual micro-organism.

It is therefore possible that certain strains which have specific requirements may not develop.

The types and number of competing flora in the test samples can affect recovery and may overgrow specific microorganism.

WASTE DISPOSAL

Dispose of used or unused reagents as well as any other contaminated disposable material following procedures for infectious or potentially infectious products.

It is the responsibility of each laboratory to handle waste and effluents produced according to their nature and degree of hazardousness and to treat and dispose of them in accordance with any applicable regulations.














PACKAGING SIZE & CATALOG NUMBER

Tube	40 x 9 ml B22.G2001	40 x 10 ml B21.G2001
Bottle	8 x 90 ml B12.F2001	6 x 225 ml B0.F2001

REFERENCES

- ISO 11133, Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media;
- ISO 6887 all parts, Microbiology of food and animal feeding stuffs - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination);
- ISO 6579, Microbiology of food and animal feeding stuffs -- Horizontal method for the detection of *Salmonella* spp;
- ISO 11290-2, Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of *Listeria monocytogenes*;
- Rose 2001, Isolation and identification of *Salmonella* from meat, poultry and egg products. In Microbiology laboratory guidebook, 3rd ed., Food Safety and Inspection Service, U.S. Department of Agriculture, Washington, D.C.;

PACKAGING SYMBOL

	Catalogue number
	Batch code
	Consult instructions for use
	Caution, consult accompanying documents
	Temperature limitation
	Keep away from sunlight
	Keep dry, keep away from rain
	Use by date
	Manufacturer
	Fragile, handle with care
	Do not open packaging using a knife
	Do not use if package is damaged
	This way up