

## TECHNICAL DATA SHEET

# PEPTONE WATER 0,1 %

### DILUENT

## 1 INTENDED USE

Peptone Water 0,1 % is one of the general use diluents used in the preparation of stock solutions of milk and dairy products according to ISO 6887-5 and for water analysis according to the standard NF EN ISO 8199.

This solution is also used as a specific diluent in the analysis of bivalve mollusks, gastropods and other marine shellfish, according to standard ISO 6887-3.

## 2 TYPICAL COMPOSITION

The composition can be adjusted in order to obtain optimal performance.

For 1 liter of media :

- Peptone ..... 1,0 g

pH of the ready-to-use media at 25 °C : 7,0 ± 0,2.

## 3 INSTRUCTIONS FOR USE

### Solution preparation or stock solutions :

- Aseptically add X g of the product to test to a weighed and tared flask containing 9X of media BM164 in order to obtain a 1:10 dilution.
- Mix well in order to obtain a homogeneous stock solution or pre-enrichment broth
- Incubate by respecting the appropriate analytical protocol being followed.

### Preparation of serial dilutions :

- Introduce 1 mL of the stock solution into a tube containing 9 mL of media.
- Mix well.
- Repeat the operation until the targeted dilution is achieved.

## 4 QUALITY CONTROL

**Aspect in solution :** uncolored, limpid.

Typical culture response after 45-60 minutes of incubation at 20-25 °C :

Microorganisms		Growth
<i>Escherichia coli</i>	WDCM 00013	± 30 % colonies / T <sub>0</sub>
<i>Listeria monocytogenes</i> 4b	WDCM 00021	± 30 % colonies / T <sub>0</sub>
<i>Salmonella</i> Typhimurium	WDCM 00031	± 30 % colonies / T <sub>0</sub>
<i>Staphylococcus aureus</i>	WDCM 00034	± 30 % colonies / T <sub>0</sub>

## 5 STORAGE / SHELF LIFE

**Media in flexible bags :** 2-25 °C.

The expiration date is indicated on the label.

## 6 PACKAGING

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### Ready-to-use media :

2 x 5 L bags ..... BM16408

## 7 BIBLIOGRAPHY

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NF EN ISO 6887-3. Janvier 2004. Microbiologie des aliments. Préparation des échantillons, de la suspension mère et des dilutions décimales en vue de l'examen microbiologique. Partie 3 : Règles spécifiques pour la préparation des produits de la pêche.

NF EN ISO 8199. Janvier 2008. Qualité de l'eau. Lignes directrices générales pour le dénombrement des micro-organismes sur milieu de culture.

NF EN ISO 6887-5. Octobre 2010. Microbiologie des Aliments. Préparation des échantillons, de la suspension mère et des dilutions décimales en vue de l'examen microbiologique. Partie 5 : Règles spécifiques pour la préparation du lait et des produits laitiers.

## 8 ADDITIONAL INFORMATION

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The information provided on the labels take precedence over the formulations or instructions described in this document and are susceptible to modification at any time, without warning.

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