

TECHNICAL DATA SHEET

DIPOTASSIUM HYDROGENPHOSPHATE SOLUTION

DILUENT

1 INTENDED USE

Dipotassium hydrogenphosphate solution is a diluent used to prepare dispersion solutions for the microbiological control of cheese, roller-dried milk, fermented milk, caseinates, dried acid whey, and sour cream.

The typical composition corresponds to that defined in ISO 6887-5 standard.

2 TYPICAL-COMPOSITION

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

For 1 liter of solution :

- Dipotassium Hydrogenphosphate..... 20.0 g

pH of the complete ready-to-use media at 25 °C : 7.5 ± 0.2.

3 INSTRUCTIONS FOR USE

Preparation of suspensions of dispersion :

- Introduce aseptically x g of product to analyze into a tared bottle contained 9x mL of medium, in order to obtain a 1:10 dilution.
- Homogenize well.

4 QUALITY CONTROL

Prepared medium: colorless solution, limpid.

Typical culture response after maintaining diluted for 45-60 minutes at 20-25 °C, followed by inoculation onto Tryptocasein-soy agar (NF EN ISO 11133) :

Microorganisms		Growth
<i>Escherichia coli</i>	WDCM 00013	± 30 % colonies / T ₀
<i>Staphylococcus aureus</i>	WDCM 00034	± 30 % colonies / T ₀

5 CONSERVATION

Ready-to-use : 2-25 °C.

The expiration date is indicated on the label.

6 PRESENTATION

Ready-to-use medium :

2 flexible bags of 5 liters BM19308

7 BIBLIOGRAPHY

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.

NF EN ISO 11133. Juillet 2014. Microbiologie des aliments, des aliments pour animaux et de l'eau – préparation, stockage et essais de performance des milieux de culture – Microbiologie des aliments pour animaux et des eaux.

8 ADDITIONAL INFORMATION

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.

Document code : PHOSPHATE SOLUTION _EN_V1.

Creation date : 02-2017