

CM 21,348 – PAGE'S SALINE

INTENDED USE

Used as a rinsing solution of membranes in water filtration for Legionella detection.

PRODUCT SUMMARY AND EXPLANATION

Page's saline is recommended for concentration of bacteria, including Legionella organisms by membrane filtration for detection and enumeration of Legionella. This medium is also recommended by ATCC. When 1.5% Agar is added to Page's saline it is used for the isolation of Naegleria and Acanthamoeba from tissues and soil samples. For sample processing add the membrane used for filtration of water in a sterile flask containing 5-25ml of Page's saline then shake vigorously for at least 2 minutes. The concentrated solution of organisms is plated directly on Buffered Charcoal Yeast Extract Agar. Alternatively, the sample is subjected to heat treatment or acid treatment to reduce non Legionella bacteria. As the growth of Legionella may be inhibited by overgrowth of other bacterial colonies on the membrane, the method is only suitable for waters containing low bacterial counts.

COMPOSITION

Ingredients	Gms / Ltr
Sodium chloride	0.120
Magnesium sulphate	0.004
Calcium chloride	0.004
Disodium hydrogen phosphate	0.142
Potassium dihydrogen phosphate	0.136

PRINCIPLE

The medium consists of Sodium chloride which maintains the osmotic balance of the medium. Phosphate buffers the medium. Sulphates present in the medium help to provide ions to the medium.

INSTRUCTION FOR USE

Dissolve 0.403 grams (equivalent weight of dehydrated medium per litre) in 1000 ml purified/ distilled water.
Heat if necessary to dissolve the medium completely.
Dispense in tubes or flasks as desired and Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : White to cream homogeneous free flowing powder.
Appearance of prepared medium : Colourless clear solution without any precipitate.

INTERPRETATION

Satisfactory results are obtained when used as a diluent during bacteriological examination of water.

PACKAGING:

In pack size of 100 gm bottles.



STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock, D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
3. Practicals & Viva in Medical Parasitology by Sehgal-2003.
4. Water quality-Detection and enumeration of Legionella - Part 2: Direct membrane filtration method for waters with low bacterial counts. ISO 11731-2:2004(E).

 Good Manufacturing Practices Certified	 Best Before	 Quantity	 Catalogue Number	 Manufacturer
 Temperature Unit	 Lot / Batch Number	 Consults Instructions for Use	 QR Code	

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

*For LabUse Only