

CM 21508 – RINSING FLUID

INTENDED USE

Used as a rinsing fluid in the membrane filtration procedure.

PRODUCT SUMMARY AND EXPLANATION

After filtration it is often necessary to rinse the membrane filter in order to remove residues of liquid sample materials. If the sample contains higher hydrocarbons such as vaseline, paraffin, etc. or fats, the use of rinse fluid is recommended. Rinsing fluid largely complies with the formulation prescribed in the recommendations of the United States Pharmacopoeia.

COMPOSITION

Ingredients	Gms / Ltr
Peptone from meat	5.000
Meat extract	3.000
Polysorbate 80	1.000

PRINCIPLE

The medium consists of balanced concentrations of nutrients, which prevent the microorganisms, retained by the filter, from being exposed to physiological shock, thus being capable to grow further rapidly. The detergent polysorbate 80 ensures emulsification of carbohydrates and fats without seriously affecting the microorganisms.

If the sample contains large quantities of these compounds, additional up to 9.0 g/litre of polysorbate 80 (Tween 80) can be added in accordance with the USP recommendations before the broth is filtered. After filtering the liquid sample, rinse the filter 3 times with 100 ml portions of the membrane-filter rinse fluid, and then complete the test in the usual way.

INSTRUCTION FOR USE

Dissolve 9 grams in 1000 ml purified/distilled water.

If desired together with up to 9 g/litre of polysorbate 80 (Tween 80) to i.e. filter until clear.

Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow coloured homogeneous free flowing powder.

Appearance of prepared medium : Yellow coloured clear solution without any precipitate.

pH (at 25°C) : 6.9 ± 0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
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Staphylococcus aureus	25923	50-100	Good	35-37°C	18-24 Hours
Streptococcus pyogenes	12344	50-100	Good	35-37°C	18-24 Hours
Enterococcus faecalis	29212	50-100	Good	35-37°C	18-24 Hours
Citrobacter freundii	8090	50-100	Good	35-37°C	18-24 Hours
Pseudomonas aeruginosa	27853	50-100	Good	35-37°C	18-24 Hours
Escherichia coli	25922	50-100	Good	35-37°C	18-24 Hours

PACKAGING:

Inpacksizeof100 gm and 500 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

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

REFERENCES

1.TheUnitedStates Pharmacopoeia, 2006, USP29/NF24. The United States Pharmacopeial Convention. Rockville, MD.

 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.

