

MM0218

Motility test medium

Use and description:

Semi-solid medium to detect microbiological motility of different organisms.

To make the medium selective to gram negative enteric bacteria may be added 0,05 g/l TTC after autoclaving.

Composition per liter:

Peptone.....10.00 g
Beef extract.....3.00 g
Sodium chloride.....5.00 g
Agar4.00 g

Final pH of the ready to use medium: 7.4 ± 0.2

Medium preparation:

Add 22 grams of dehydrated culture medium to 1 liter of distilled water until evenly dispersed. Heat with repeated stirring until boil and dissolve completely. Distribute into tubes 8 ml. Autoclave at 121 C for 15 min.

Quality specifications:

Dehydrated medium: homogeneous, straw coloured, fine powder.

Ready to use medium: amber, semisolid agar

Microbiological response:

Organism	Result / Motility
<i>Escherichia coli</i> ATCC 25922	Growth / +
<i>Proteus vulgaris</i> ATCC 13351	Growth / +

Storage:

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.

For references please turn appendix 1.

For supplement details please turn appendix 2.