MM0345

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Use and description:
For the selective isolation, cultivation and differentiation of Gram negative pathogens from urine and faeces. Lactose-fermenting organisms appear as yellow colonies, others as green blue.

Composition per liter:

Sodium deoxycholate	1.000 g
Sodium thiosulfate	1.000 g
Lactose	15.000 g
Peptone	15.000 g
Agar	12.000 g
Meat extract	3.000 g
Yeast extract	3.000 g
Bromthymol blue	0.080 g
Crystal violet	0.005 g

Final pH of the ready to use medium: 7.4 +/- 0.2

Medium preparation:
Add 50 grams of dehydrated culture medium to 1 liter of distilled water. Heat with frequent agitation then sterilise for 15 min at 115°C. Cool to 47 °C and pour into Petri dishes. Dry the surface before inoculation.

Quality specifications:
Dehydrated medium: homogeneous, fine powder.
Ready to use medium: green clear or slightly opaéescent agar.

Microbiological response:

Organism	Result / colour
Escherichia coli ATCC 25922	Growth / yellow
Salmonella typhimurium ATCC 14028	Growth / blue
Shigella sonnei ATCC 12022	Growth / green-blue
Staphylococcus auresu ATCC 25923	Inhibited / - / -

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 the color has changed from the original.