MM0430

Chromogenic Salmonella Agar

Use and description:
For the selective differentiation of salmonella spp. from other pathogenic enterobacteriaceae from food and clinical specimens. Gram-positive bacteria are inhibited by bile salts, citrate. Salmonella spp. will grow as magenta colonies, Enterobacter spp. will grow as deep blue colonies.

Composition per liter:
Peptones..... 7.0 g
L-lysine .....0.5 g
L-cystine .....0.1 g
Beef Extract .....5.0 g
Chromogenix mix.....0.30 g
Agar..... ...12.0 g
Yeast extract .....5.0 g
Xylose .....1.75 g

Final pH of the ready to use medium: 7.0 ± 0.2

Medium preparation:
Add 31,65 grams of dehydrated culture medium to 1 liter of distilled water, and allow to soak for 10 minutes. Swirl to mix, then bring to the boil and autoclave at 121 C for 15 minutes. Dry the surface before incubation.

Quality specifications:
Dehydrated medium: homogeneous, beige fine powder.
Ready to use medium: straw coloured agar, clear to very slightly opalescent.

Microbiological response:

Organism	**Result**
Enterococcus faecalis ATCC 29212	Inhibited
Escherichia coli ATCC 25922	Partially inhibited, deep blue colonies
Salmonella typhimurium ATCC 14028	Growth, magenta colonies
Enterobacter aerogenes ATCC 13048	Growth, deep blue colonies

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 color has changed from the original.