MM0425 Chromogenic URI II-Color agar

Use and description:
Medium for primary differentiation and indentification of the most common pathogens causing urinary tract infection diseases. The medium uses different substrates for the specific enzyme activity. The medium also support the growth of gram positive organisms like staphylococcus and enterococcus.

Composition per liter:
Chromogenic mix……...2.0 g
Agar……..12.0 g
Peptones……...20.0 g
Meat extract……1.28 g
Yeast extract……...2.0 g

Final pH of the ready to use medium: 6.7 ± 0.2

Medium preparation:
Add 37,28 grams of dehydrated culture medium to 1 liter of distilled water. Mix thoroughly. Heat with frequent agitation and boil for 1 min to dissolve completely. Autoclave for 15 min at 121°C. Cool to 45-50°C and pour into sterile petri dishes.

Quality specifications:
Dehydrated medium: homogeneous, straw colored, fine powder.
Ready to use medium: Clear, amber. agar

Microbiological response:

Organism	Result	Colony appearance
E. coli ATCC 2522	Growth	purple
Enterobacter aerogenes ATCC13048	Growth	deep blue
Klebsiella spp. HNCMB52047	Growth	light metallic blue
Enterococcus faecalis ATCC29212	Growth	light blue
Proteus vulgaris ATCC8427	Growth	turquoise with gold halo
Proteus mirabilis ATCC12453	Growth	white with gold halo
Staphylococcus aureus ATCC 25923	Growth	white or yellow (depending on pigment production)
Streptococcus agalactiae ATCC	Growth	light grey

Storage:

Dehydrated medium should be stored between 10 to 25^{o}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.