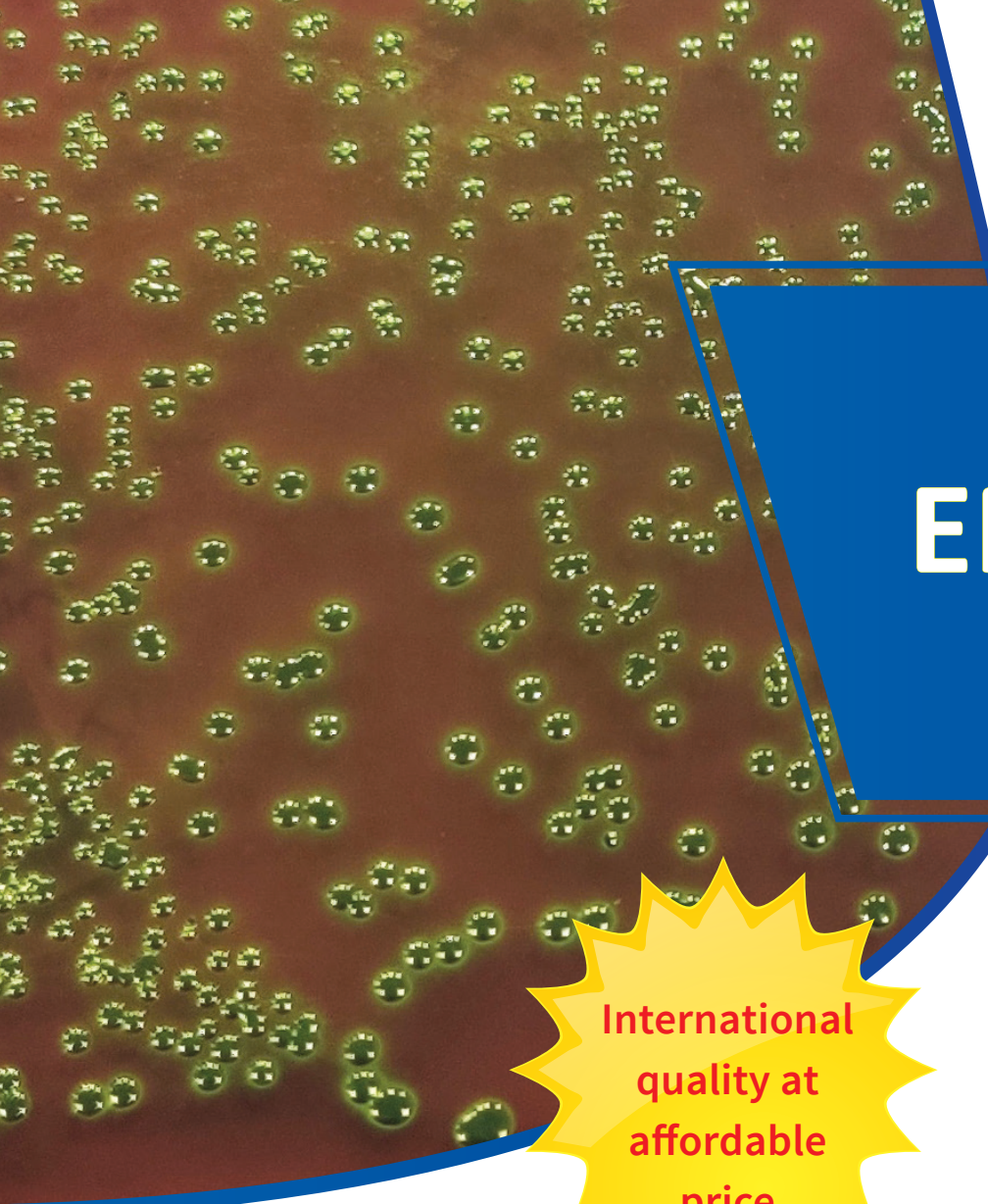




Improved EMB AGAR M022

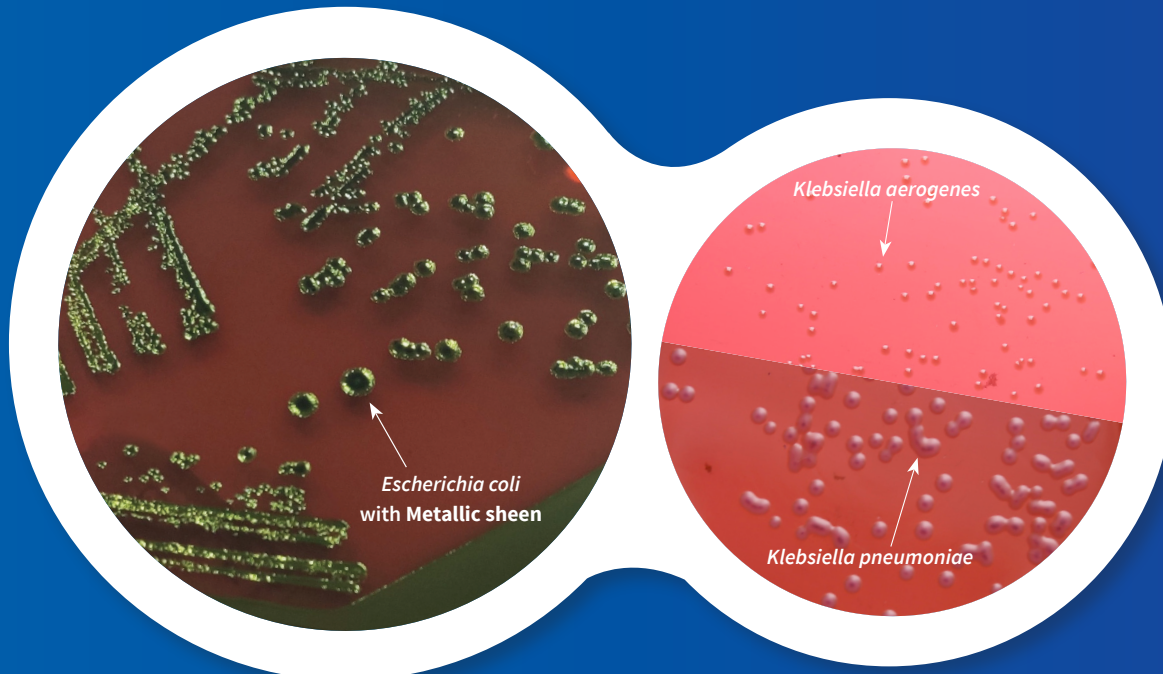
International
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WIDE APPLICATIONS

- ✧ Pharmaceutical Industry
- ✧ Clinical Industry
- ✧ Food and Dairy Industry
- ✧ Cosmetic Industry
- ✧ Water Industry

SALIENT FEATURES

- ✧ Selective and differential medium for the isolation, enumeration and differentiation of *Enterobacteriaceae*
- ✧ Selectively allows the growth of Gram negative bacteria and inhibits gram positive bacteria
- ✧ Presence of Eosin Y and Methylene blue inhibits gram positive bacteria
- ✧ Distinct **Metallic sheen** of *E.coli* allows its differentiation from other gram negative bacteria
- ✧ Coliforms produce purplish black colonies due to uptake of Methylene blue-Eosin complex and drop in pH (lactose fermentation)
- ✧ Lactose non-fermentors raise the pH of the medium and produce colourless colonies
- ✧ Recommended by Pharmacopoeias (USP/ IP), APHA (Food/ Water/ Dairy)



Composition

Ingredients	Gram/ litre
Peptone (M022/GM022)/ gelatin peptone (MM022/MU022)/ HiVeg™ Peptone (MV022)	10.00
Dipotassium hydrogen phosphate	2.00
Lactose	10.00
Eosin Y	0.04
Methylene Blue	0.065
Agar	15.00
Total	37.5
pH	7.1±0.2

Code Number	Product Name	Recommended by
M022	EMB Agar, Levine	-
GM022	EMB Agar, Levine, Granulated	-
MU022	Levine Eosin- Methylene Blue Agar Medium	United States Pharmacopoeia
MM022	EMB Agar, Levine (Levine Eosin- Methylene Blue Agar Medium)	Indian Pharmacopoeia
M022S	EMB Agar, Levine	BIS Standard
MV022	EMB HiVeg™ Agar, Levine	-

Cultural response

Organism (ATCC)	Inoculum (CFU)	Growth	Recovery Lot value (CFU)	Colour of colony
Test for specified microorganism				
<i>Escherichia coli</i> 8739 (00012*) / NCTC 9002 / ATCC 25922 (00013*)	50 -100	good-luxuriant	≥50%	blue-black colonies with metallic sheen
# <i>Klebsiella aerogenes</i> 13048 (00175*)	50 -100	good-luxuriant	≥50%	pink to red
<i>Salmonella</i> Typhimurium 14028 (00031*)	50 -100	good-luxuriant	≥50%	colourless
<i>Pseudomonas aeruginosa</i> 9027 (00026*)	50 -100	good-luxuriant	≥50%	colourless
<i>Enterococcus faecalis</i> 29212 (00087*)	≥10 ⁴	inhibited	0%	-
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> 6538 (00032*)	≥10 ⁴	inhibited	0%	-
<i>Candida albicans</i> 10231 (00054*)	50 -100	good-luxuriant	≥50%	colourless
<i>Saccharomyces cerevisiae</i> 9763 (00058*)	50 -100	none-poor	0 -10%	cream

Key : * : Corresponds to WDCM number
#Formerly known as *Enterobacter aerogenes*

Literature code : TL689_0/EMB Agar Flyer/0919

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