

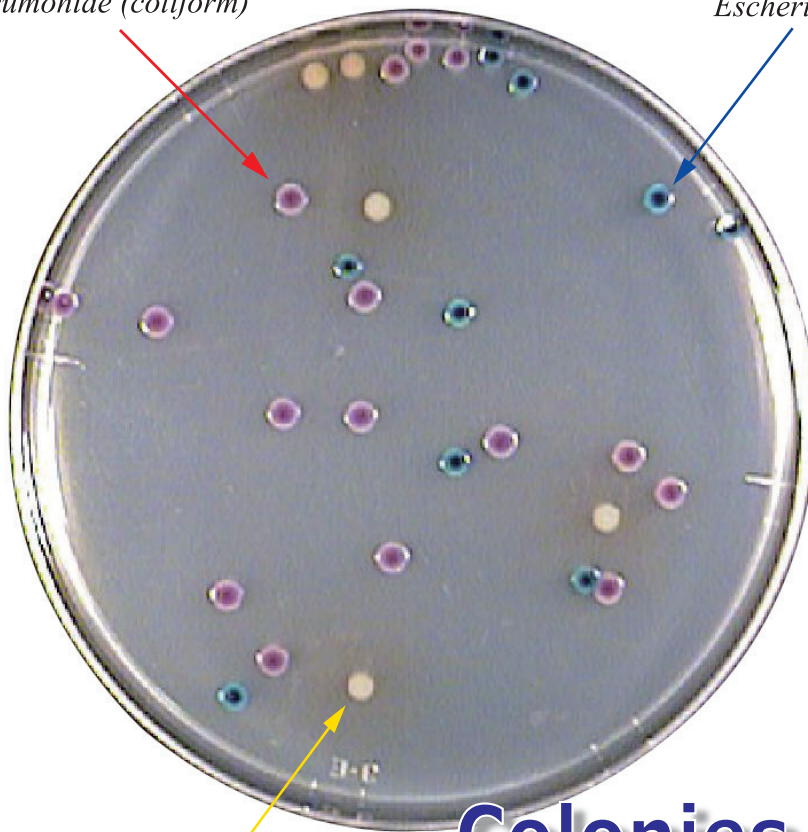
Medium with an oxygen substrate for simultaneous inspection of coliform bacilli and *E.coli*

Sodium Lauryl Sulfate Magenta-GAL · X-GLUC Agar

Listed In Japanese Food Hygiene Inspection Guidelines (2004)

Klebsiella pneumoniae (coliform)

Escherichia coli



Proteus mirabilis (Other enterobacteria)

Colonies are distinctly colored

E.coli positive

β -glucuronidase is a specific enzyme found only in *E.coli* among enterobacteria, except for *Salmonella* and *Shigella*. It is present in 95% of all *E.coli*. β -glucuronidase hydrolyzes the coloring enzyme-substrate complex X-GLUC, creates blue ~ purplish-blue.

Coliform positive

β -galactosidase produced by coliform hydrolyzes the coloring enzyme-substrate complex MAGENTA-GAL, creates red ~ purplish.

Precaution

All gram-negative enterobacteria, except for coliform, form white colonies. This agar uses sodium lauryl sulfate as a gram-positive bacterial inhibitor. Not all of the enterobacteria are fostered.

- ★ After Use, sterilize the agar before disposal.
- ★ Specifications are subject to be change without notice, for remodeling or quality enhancement.

Coliform and *E.coli* are colored on a red and blue transparent agar, respectively, thus allowing for easy identification.

Product Name	Pro·media AGAR TRICOLOR	
Code No.	XMA-01N	XMA-400
Volume	7.85g / pouch × 40	400g / bottle
Recipe	Sodium Lauryl Sulfate Magenta-GAL, X-GLUC, Others	
Instruction to use:	Dissolve 1 bag (7.85g) in 200mL of purified water under heat or perform autoclave sterilization. Please use up heated tolicolor on the prepared day.	
Shake culture:	Dispense and dilute a medium in a Petri dish filled with a specimen at 50°C or below.	
Smear culture:	Drop and uniformly smear a specimen on the surface of a medium dispensed and gelled.	
Cultivate:	18 to 24 hours at 35-37°C.	

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