

Food Stamp X-GAL Agar

Simple and Easy Stamp Medium for Food Hygiene test: Coliforms

Code 100041 – 100 plates
100042 – 30 plates

Formula (in 1 liter)

Peptone.....	15.0g	Yeast Extract.....	5.0g
Sodium Pyruvate.....	1.0g	Sodium Chloride.....	15.0g
Disodium Phosphate.....	2.0g	Potassium Nitrate.....	1.0g
Sodium Lauryl Sulfate.....	0.15g	Agar.....	15.0g
5-bromo-4-chloro-3-indolyl- β -D-galactopyranoside (X-GAL).....	0.15g		

Directions

Food Stamp is a prepared agar medium for Stamp method, on which agar stands up slightly above the rim of special Petri dish of 10 cm². Take off the cap of Food Stamp and gently press the medium against the surface of specimen. The surface of agar is elastic enough to be pressed firmly against the specimen. Press against the different parts of the specimen when several kinds of Food Stamps are tested simultaneously. Put the cap again immediately after pressing.

Incubate at 37°C for 24 - 48 hours.

Coliform group decompose X-GAL (colorimetric enzyme substrate) in the medium to bring out blue / blue-green color by β -galactosidase produced by Coliforms.

Growth of all other bacteria will be inhibited, and they develop only white colonies even are they grow.

Interpretations

Count all blue / blue-green color colonies grown on the surface.

Storage

Keep at 4 – 10°C. Do not freeze.

Five (5) months after manufacturing.