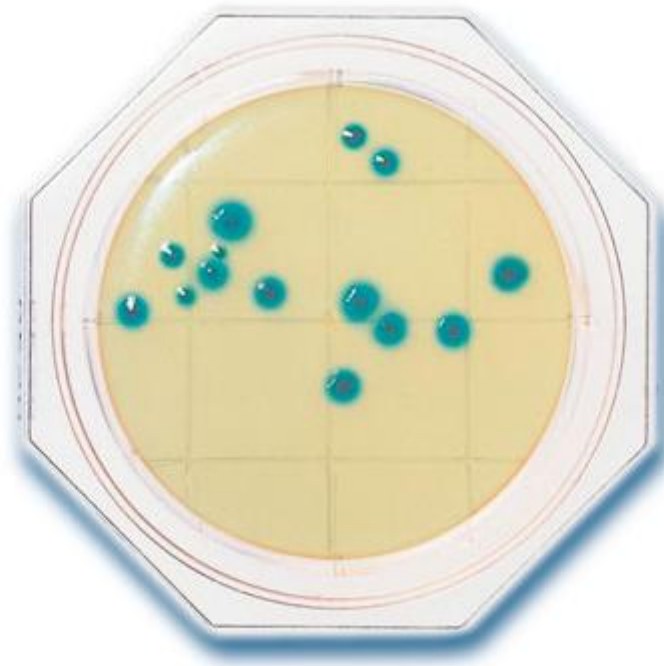


## Prosedyre for Koliforme bakterier (X-GAL)



### **Simple and Easy Stamp Medium for Food Hygiene test: Coliforms**

#### **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 cm<sup>2</sup>. 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 hours or at room temperature for 48 hours

Coliform group decompose X-GAL (colorimetric enzyme substrate) in the medium to bring out blue / blue-green color by  $\beta$ -galactosidase produced by Coliforms. Growth of all other bacteria will be inhibited, and they develop only white colonies even they grow.

#### **Interpretations:**

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