

**Tryptic Soy Agar TSA with Penase, Lecithin, Tween(R), Histidine and Sodium thiosulfate - ICR Contact plate, irradiated, triple packed for environmental monitoring (Isolator and Clean room), diam. 55 mm**

Art. ID                      SAF-1467980020

Unit                         EA

**Description**

"Tryptic Soy Agar with Penase (Penicillinase) LTHThio in ICR contact plus plate is designed for the determination of the total aerobic microbial count in air via active or passive air monitoring as well as fingerprints of personnel in isolators and clean room. It is a complex medium for cultivation and isolation of a wide range of bacteria, yeasts and molds. The formulation of the Soybean Casein-Digest medium contains combination of casein and soy peptones supplying organic nitrogen, particularly amino acids and longer-chained peptides. Sodium chloride maintains the osmotic equilibrium and the medium is supplemented with pyruvate to provide an efficient neutralization of hydrogen peroxide residues. Lecithin, polysorbate 80 (Tween(R)), histidine and sodium thiosulfate are neutralizers to neutralize the disinfectants containing active agents such as Alcohol (70 % ethanol or isopropyl alcohol), Aldehyde, Chlorites, Dichloroisocyanurate, Glucoprotamine, Peracetic acid, Phenols, quaternary ammonium compounds and Biguanides. The medium is also supplemented with penicillinase ( $\geq 1000$  IU/liter) to neutralize residuals of penicillins, such as benzylpenicillin, ampicillin, amoxycillin, carbenicillin and methicillin. In addition, the plate model (plus or ""+""") is supplied with a lockable lid for safe transport after sampling."