

Product Specification Sheet

*Tryptone Soya Agar (TSA) with Disinhibitor PLUS Triple
Wrapped Irradiated (TWI) (Contact Plate)*

Intended Usage: For the enumeration of total viable organisms after cleaning and disinfection, for the microbial control of aseptic processing environments.

For professional use only.

PO5171D	
Version: 22	Revision Date: 25 May 2022

Thermo Scientific™ TSA with Disinhibitor PLUS TWI (Contact Plate)

Form of Product	Poured plate
Storage	2 – 25°C
Filling weight	13.5 g ± 0.5 g
Packaging	2 x 10 plates triple-wrapped in film
Dose of irradiation	11.5 –22 kGy
pH	7.3 ± 0.2
Appearance	Ivory, transparent
Shelf life	12 weeks
Intended Usage	For the enumeration of total viable organisms after cleaning and disinfection, for the microbial control of aseptic processing environments.
Technique	For professional use only. Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0131.

Typical formulation*	g/l
Tryptone	15.0
Soya peptone	5.0
Sodium chloride	5.0
Lecithin	3.0
Histidin	1.0
Sodium thiosulphate	5.0
Polysorbate 80	30.0 ml
Agar	18.0

*Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labeling and printing.
2. Contamination Check
 ≥ 120 h @ 20 – 25°C, aerobic
 ≥ 120 h @ 30 – 35°C, aerobic
3. Microbiological control

Positive Controls	Growth
Inoculum 10-100 colony forming units (cfu) Incubation conditions: up to 3 days @ 30-35°C, aerobic	
<i>Escherichia coli</i> ATCC® 8739™	3 – 5 mm, transparent colonies.
<i>Staphylococcus aureus</i> ATCC® 6538™	1 – 3 mm, orange shiny colonies.
<i>Pseudomonas aeruginosa</i> ATCC® 9027™	2 – 5 mm, cream colonies.
<i>Bacillus subtilis</i> ATCC® 6633™	3 – 9 mm, cream colonies.
Inoculum 10-100 cfu Incubation conditions: up to 5 days @ 30-35°C	
<i>Candida albicans</i> ATCC® 10231™	2 – 3 mm, cream colonies.
<i>Aspergillus brasiliensis</i> ATCC® 16404™	10 – 30 mm, white mycelium, black spores.
Inoculum 10-100 cfu Incubation conditions: up to 3 days @ 20-25°C	
<i>Bacillus subtilis</i> ATCC® 6633™	3 – 9 mm, cream colonies.
Inoculum 10-100 cfu Incubation conditions: up to 3 days @ 20-25°C	
<i>Candida albicans</i> ATCC® 10231™	2 – 3 mm, cream colonies.
<i>Aspergillus brasiliensis</i> ATCC® 16404™	10 – 30 mm, white mycelium, black spores.
Colony counts shall be ≥ 50% of the control medium (Tryptone Soya Agar, Tryptone Soya with Disinhibitor or Sabouraud Dextrose Agar)	

Tested in accordance with the methods described in the current United States pharmacopoeia for the microbiological control and monitoring of aseptic processing environments.

ATCC® is a registered trademark of American Type Culture Collection