

## MAXI CONTACT 84 TSA + INATTIVANTE

Irradiated medium for surfaces and air total microbial count with inactivation of disinfectants (European Pharmacopeia).

TYPICAL FORMULA	(g/l)
Tryptone	15.00
Soytone	5.00
Sodium Chloride	5.00
Agar	15.00
Sodium Phosphate Dibasic	0.40
Lecithin	0.03
L-Histidine	0.01
Sodium Thiosulphate	0.08
Tween 80	0.30
Final pH 7.3 ± 0.2	

### DESCRIPTION

MAXI CONTACT TSA 84 + INATTIVANTE is a medium for environmental monitoring with inactivation of disinfectants.

These gamma-irradiated, triple-bagged contact plates are particularly suitable for use in restricted areas like isolators and clean rooms. The 84mm plate size, greater than standard 55mm contact plates, allows an easier reading and evaluation of fungal contamination.

### PRINCIPLE

Tryptone and soytone provide amino acids, nitrogen, carbon, minerals, vitamins and other nutrients which support the growth of microorganism. Sodium chloride maintains the osmotic balance of the medium. Agar is the solidifying agent. Sodium phosphate dibasic in the buffer. Lecithin, histidine, sodium thiosulphate and tween 80 neutralize the microbicidal activity of disinfectants or antiseptics commonly used for the sanitization, as ammonium quaternary compounds, mercurial compounds, phenolic derivatives, and aldehyde, chlorine-based compounds.

### TECHNIQUE

Contact plates are recommended for use in air sampling equipment as well as for surface sampling. Selected surfaces are sampled by firmly pressing the agar medium against the test area. Plates are intended for personnel hygiene monitoring (clothing, gloves or hands) as well.

For detection of bacteria incubate the plates at 30-35°C for 18-72 hours.

For detection of yeasts and moulds incubate at 20-25°C for 2-7 days.

### INTERPRETATION OF RESULTS

Count developed colonies on agar surface.

### STORAGE

10-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

### WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product must be used only by properly trained operators.

### DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

### REFERENCES

1. Swanson, K.J., F.F. Busta, E.H. Peterson, and M.G. Johnson. (1992). Colony Count Methods, p. 75-95.
2. United States Pharmacopeial Convention, Inc. 2008. The United States pharmacopeia 31/The national formulary 26, Supp. 1, 8-1-08, online. United States Pharmacopeial Convention, Inc., Rockville, Md.
3. European Directorate for the Quality of Medicines and Healthcare. 2008. The European pharmacopoeia, 6th ed., Supp. 1, 4-1-2008, online. European Directorate for the Quality of Medicines and Healthcare, Council of Europe, 226 Avenue de Colmar BP907-, F-67029 Strasbourg Cedex 1, France.



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## PRODUCT SPECIFICATIONS

### NAME

MAXI CONTACT 84 TSA + INATTIVANTE

### PRESENTATION

Ready-to-use plates (84 mm) containing  $39 \pm 1$  ml of medium

### STORAGE

10-25°C

### PACKAGING

Ref.	Content	Packaging
15357S	10 plates	<ul style="list-style-type: none"> <li>10 plates wrapped in three sealed bags with circular indicator</li> <li>cardboard box</li> </ul>

### pH OF THE MEDIUM

$7.3 \pm 0.2$

### USE

MAXI CONTACT TSA 84 + INATTIVANTE are gamma-irradiated, triple-bagged contact plates for monitoring bacterial and fungal contamination

### TECHNIQUE

Refer to technical sheet of the product

### APPEARANCE OF THE MEDIUM

Amber medium, clear or slightly opalescent

### SHELF LIFE











6 months

### QUALITY CONTROL

- Control of general characteristics, label and print
- Sterility control
  - 7 days at  $22.5 \pm 2.5^\circ\text{C}$ , in aerobiosis
  - 7 days at  $32.5 \pm 2.5^\circ\text{C}$ , in aerobiosis
- Microbiological control
  - Inoculum for productivity: 50-100 CFU
  - Incubation Conditions: 18-72 h  $32.5 \pm 2.5^\circ\text{C}$  (bacteria), 48-72 h /  $22.5 \pm 2.5^\circ\text{C}$  (fungi)

Microorganism		Growth
<i>Staphylococcus aureus</i>	ATCC® 6538	Good
<i>Escherichia coli</i>	ATCC® 8739	Good
<i>Pseudomonas aeruginosa</i>	ATCC® 9027	Good
<i>Bacillus subtilis</i>	ATCC® 6633	Good
<i>Candida albicans</i>	ATCC® 10231	Good
<i>Aspergillus brasiliensis</i>	ATCC® 16404	Good

### TABLE OF SYMBOLS

 Batch code	 Keep away from heat sources	 Manufacturer	 Use by	 Fragile, handle with care
 Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Caution, consult instructions for use	 Do not reuse



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