



Contact Slide

PCA + TTC + Neutralizing / PCA + TTC + Neutralizing

Flex Dip-slide with a non selective medium for total bacterial count with inactivation of disinfectants.

DESCRIPTION

Contact Slide is a ready-to-use device with a medium coated onto a plastic support used for the microbial monitoring of surfaces and liquids.

The slide is covered on both sides with PCA + TTC + Neutralizing which allows bacteria to grow as red colonies, even in the presence of residues of disinfectants.

TYPICAL FORMULA

	(g/l)
Enzymatic Digest of Casein	5.0
Yeast Extract	2.5
Glucose	1.0
Triphenyl Tetrazolium Chloride	0.1
Neutralizing	*
Agar	15.0

Final pH 7.0 ± 0.2

*Histidine, 1.0 Lecithin, 0.7 Tween 80, 5.0 Sodium Thiosulfate, 0.5

METHOD PRINCIPLE

PCA + TTC + Neutralizing contains triphenyltetrazolium chloride as growth indicator forming a red insoluble compound which may easily be observed. To inactivate residual disinfectants, the medium is supplied with neutralizing agents: histidine inactivates aldehydes, lecithin neutralizes quaternary ammonium compounds, polysorbate 80 (Tween 80) is effective against phenolic compounds and mercurial derivatives and sodium thiosulfate neutralizes halogen compounds.

TEST PROCEDURE

1. Take a slide from the refrigerator and leave it at ambient temperature for about 5 minutes
2. Unscrew and extract the slide from its cylindrical container. Avoid any contact with the agar surface.
3. For surfaces monitoring, flex the cap forming a 90° angle and press each side of the slide firmly against the surface to be examined for 10 seconds. Alternatively, use a swab for sampling the area, afterwards roll the swab gently over the agar surface.
For examination of liquids, hold the slide by the cap and immerse it completely into the test fluid.
4. Reinsert the slide into its tube, screw it tight and incubate at 30 ± 1°C for up to 72 h.

RESULTS INTERPRETATION

Count the total number of colonies to obtain the total bacterial count.

APPEARANCE

Slightly opalescent, light amber.

STORAGE CONDITIONS

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

SHELF LIFE

9 months

QUALITY CONTROL

Slides are inoculated with the microbial strains indicated in the QC table.

Inoculum for productivity: 50-100 CFU.

Incubation conditions: 30 ± 1°C for 24-72 h.

QC Table.

Microorganism		Growth
<i>Escherichia coli</i>	ATCC® 25922	Good, red colonies
<i>Staphylococcus aureus</i>	ATCC® 25923	Good, red colonies
<i>Enterococcus faecalis</i>	ATCC® 29212	Good, red colonies
<i>Pseudomonas aeruginosa</i>	ATCC® 27853	Good, red colonies

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 by properly trained operators only.

DISPOSAL OF WASTE

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

BIBLIOGRAPHY

- ISO 18593:2018. Microbiology of food chain- Horizontal method for surface sampling.
- ISO 4833-1:2013. Microbiology of the food chain -- Horizontal method for the enumeration of microorganisms -- Part 1: Colony count at 30 degrees C by the pour plate technique.
- ISO 4833-2:2013. Microbiology of the food chain -- Horizontal method for the enumeration of microorganisms -- Part 2: Colony count at 30 degrees C by the surface plating technique.
- Marshall R.T. ed. (1993). Standard methods for the examination of dairy products, 16th ed. American Public Health Association, Washington, D.C.

PRESENTATION**Packaging****Ref.**

PCA + TTC + Neutralizing / PCA + TTC + Neutralizing	20 Contact Slides	525322V
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TABLE OF SYMBOLS

LOT Batch code	 Use by	 Do not reuse
REF Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests

Manufactured for: VWR International bvba

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