

mikrocount® TPC

Flexible slide for total plate count.

DESCRIPTION

mikrocount® TPC is a ready-to-use device with a media solidified onto two sides of a plastic support and used for total plate count for microbiological monitoring of surfaces with inactivation of disinfectants.

TYPICAL FORMLULA (g/l)

PCA + TTC + NEUTRALIZING

Tryptone	5.0
Glucose	1.0
Yeast Extract	2.5
Agar	15.0
Sodium Phosphate Bibasic	0.2
Lecithin	0.015
L- Histidine	0.005
Sodium Thiosulphate	0.004
Tween 80	0.15
TTC 4%	1.3 ml
Final pH 7.0 ± 0.2	

PRINCIPLE

PCA + TTC + NEUTRALIZING is a medium for the bacterial count. Tryptone is a product obtained by a controlled enzymatic hydrolysis of casein and contains a mix of peptides and free amino acids. Glucose is a source of energy. Yeast extract is a source of amino acids and vitamins of group B. Agar is the solidifying agent. Sodium phosphate bibasic, lecithin, L- histidine, sodium thiosulphate, Tween 80 are the ingredients of the neutralizing which eliminates the bactericidal activity of ammonium quaternary compounds contained in sanitizers. TTC is a growth indicator.

TECHNIQUE

1. Unscrew the cap with the paddle containing the medium. Avoid any contact with the agar surface.
2. Flex the cap until forming a corner of 90° and push the medium surface onto the surface to control applying a light pressure. Otherwise streak a swab used to collect the specimen directly onto the medium. Otherwise dip the slide into the washing liquid of the surface to control.
3. Rescrew the slide into its tube and incubate at 30+/-1°C for 24-48 hours.

INTERPRETATION OF RESULTS

Consult the information leaflet.

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 national and local regulations in force.

REFERENCES

1. ISO 4833: 2003. Microbiology- General Guidance for the enumeration of micro-organisms. Colony count technique at 30°C.

PRODUCT SPECIFICATIONS:

NAME

mikrocount® TPC

PRESENTATION

Slide containing 4.5 ml of medium in each side

STORAGE

10 - 25 °C

PACKAGING

20 Slides in box

USE

mikrocount® TPC is a ready-to-use device with a media solidified onto two sides of a plastic support and used for total plate count for microbiological monitoring of surfaces with inactivation of disinfectants.

SHELF LIFE

9 months

TECHNIQUE










Refer to technical sheet of the product

QUALITY CONTROL

1. Control of general characteristics, label and print
2. Sterility control
7 days at 25 ± 1°C, in aerobiosis
7 days at 36 ± 1°C, in aerobiosis
3. Microbiological control
Inoculum for productivity: 30-300 CFU/ml
Incubation conditions: 24-48 h at 36 ± 1°C, in aerobiosis

Microorganism		Growth	Colony colour
<i>Staphylococcus aureus</i>	ATCC® 25923	Good	Red
<i>Escherichia coli</i>	ATCC® 25922	Good	Red
<i>Klebsiella pneumoniae</i>	ATCC® 13883	Good	Red
<i>Candida albicans</i>	ATCC® 10231	Good	Red
<i>Saccharomyces cerevisiae</i>	ATCC® 9763	Good	Red

TABELE OF SYMBOLS

 Batch code	 Do not reuse	 Manufacturer	 Use by	 Fragile, handle with care
 Catalogue number	 Temperature limitation	 Contains Sufficient for <n> tests	 Caution, consult accompanying documents	