



CONTACT SLIDE 8

Flexible slide for total bacterial count and *Enterobacteriaceae* research.

PCA +TTC+NEUTRALIZING TYPICAL FORMULA (g/l)

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	

V.R.B.L. + NEUTRALIZING TYPICAL FORMULA (g/l)

Peptone.....	7.0
Lactose.....	10.0
Yeast Extract.....	3.0
Sodium Chloride.....	5.0
Bile Salts N.3.....	1.5
Crystal Violet.....	0.002
Neutral Red.....	0.03
Agar.....	14.0
Sodium Phosphate Bibasic.....	0.2
Lecithin.....	0.015
L- Histidine.....	0.005
Sodium Thiosulphate.....	0.004
Tween 80.....	0.15
Final pH 7.4 ± 0.2	

DESCRIPTION

CONTACT SLIDE 8 is a flexible slide for total bacterial count and *Enterobacteriaceae* research for surfaces bacteriological control with inactivation of disinfectants.

PRINCIPLE

In PCA + TTC + NEUTRALIZING 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.

In V.R.B.G. AGAR + NEUTRALIZING peptone is a source 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. Sodium chloride maintains the osmotic balance of the medium. Biliary salts and crystal violet inhibit the growth of Gram-positive bacteria. Neutral red is an indicator of bacterial growth. 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.

Glucose fermentation by the enterobacteria causes an acidification of the medium with consequent colour change of the indicator towards red-purple and the biliary salts precipitation.

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 36±/-1°C for 24-48 hours.

INTERPRETATION of RESULTS

Consult the insert in the kit.

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 is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. 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.
2. ISO 7402: 1993. Microbiology – General guidance for the enumeration of enterobacteriaceae without resuscitation – MPN technique and colony count technique.
3. ISO 8523: 1991. Microbiology – General guidance for the detection of enterobacteriaceae with pre-enrichment.



LIOFILCHEM Bacteriology Products

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PRODUCT SPECIFICATIONS

NAME

CONTACT SLIDE 8

PRESENTATION

Slide containing 4.5 ml of medium in each side.

STORAGE

10-25°C

PACKAGING

Code	Content	Packaging
525622	20 slides	20 slides in cardboard box
53562	120 slides	120 slides un cardboard box

pH of THE MEDIA

PCA + TTC + NEUTRALIZING: pH 7.0 +/- 0.2

VRBL AGAR + NEUTRALIZING : pH 7.4 +/- 0.2

USE

CONTACT SLIDE 8 is a flexible slide for total bacterial count and *Enterobacteriaceae* research for surfaces bacteriological control with inactivation of disinfectants.

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE OF THE MEDIA

PCA + TTC + NEUTRALIZING: Colour amber, slightly opalescent

VRBL AGAR + NEUTRALIZING : Colour red-violet, slightly opalescent

SHELF LIFE

9 months

QUALITY CONTROL

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

Microorganism		Growth on PCA	Colonies colour	Growth on VRBL	Colonies colour
<i>Staphylococcus aureus</i>	ATCC 25923	Good	Red	Inhibited	
<i>Escherichia coli</i>	ATCC 25922	Good	Red	Good	Red-violet
<i>Klebsiella pneumoniae</i>	ATCC 13883	Good	Red	Good	Red-violet

TABLE of SYMBOLS

Symbol	Meanings
	Manufacturer
	Catalogue number
	Use by
	Temperature limitation
	Do not re-use
	Kit contents
	Warning, see instructions for use
	Batch code



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TECHNICAL SHEET

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