

CONTACT SLIDE 4

Flexible slide for *Pseudomonas*, yeasts and moulds detection.

DESCRIPTION

CONTACT SLIDE 4 is a flexible ready-to-use device with two media solidified onto a plastic support for *Pseudomonas*, yeasts and moulds detection for surfaces bacteriological control with inactivation of disinfectants.

TYPICAL FORMULATIONS (g/l)

CETRIMIDE AGAR + NEUTRALIZING		ROSE BENGAL CAF AGAR + NEUTRALIZING	
Enzymatic Digest of Gelatin	20.0	Soytone	5.0
Magnesium Chloride	1.4	Glucose	10.0
Potassium Sulphate	2.5	Monopotassium Phosphate	1.0
Cetrimide	0.3	Magnesium Sulphate	0.5
Glycerol	10.0 ml	Rose Bengal	0.05
Agar	15.0	Chloramphenicol	0.1
Sodium Phosphate Dibasic	0.2	Agar	15.0
Lecithin	0.015	Sodium Phosphate Dibasic	0.2
L-Histidine	0.005	Lecithin	0.015
Sodium Thiosulphate	0.004	L- Histidine	0.005
Tween 80	0.15	Sodium Thiosulphate	0.004
Final pH 7.0 ± 0.2		Tween 80	0.15
		Final pH 7.2 ± 0.2	

PRINCIPLE

CETRIMIDE AGAR + NEUTRALIZING is a medium for isolation of *Pseudomonas aeruginosa*. Enzymatic digest of gelatin contains a mix of peptides, free amino acids and vitamins. Magnesium chloride enhances the production of pyocyanin and fluorescein. Cetrimide inhibits bacteria other than *Pseudomonas*. Glycerol is a source of carbon. Agar is the solidifying agent. Sodium phosphate dibasic, 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.

ROSE BENGAL CAF AGAR + NEUTRALIZING is a medium for isolation of yeasts and moulds. Soytone is a source of peptides, free amino acids and vitamins. Glucose is a source of energy. Monopotassium phosphate is the buffer. Magnesium sulphate provides sulfur and other trace elements. Rose bengal is a selective agent that inhibits the growth of bacteria and limit the size and height of faster-growing molds, allowing for the development and detection of other slowing-growing yeasts. Chloramphenicol is a wide spectrum antibiotic that serves as a selective agent, inhibiting bacterial growth. Agar is the solidifying agent. Sodium phosphate dibasic, 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.

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 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. oburger, J.A. (1976). Yeasts and molds, p. 225-229 In M.L. Speck (ed.) Compendium of foods. American Public Health Association, Washington, D.C.
2. ISO 8360-1:1998. Water quality – Detection and enumeration of *Pseudomonas aeruginosa* – Part 1: Method by enrichment in liquid medium.



LIOFILCHEM® S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY

Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net

PRODUCT SPECIFICATIONS

NAME
CONTACT SLIDE 4

PRESENTATION
Slide containing 4.5 ml of medium in each side

STORAGE
10-25°C

PACKAGING

Ref.	Content	Packaging
525282	20 slides	20 slides in cardboard box
53528	120 slides	120 slides in cardboard box

USE
CONTACT SLIDE 4 is a flexible ready-to-use device with two media solidified onto a plastic support for *Pseudomonas*, yeasts and moulds detection for surfaces bacteriological control with inactivation of disinfectants

TECHNIQUE
Refer to technical sheet of the product










APPAERANCE OF THE MEDIUM
CETRIMIDE AGAR + NEUTRALIZING: colour amber, sligthy opalescent
ROSE BENGAL CAF AGAR + NEUTRALIZING: color pink, sligthy 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 CFU/ml
Incubation conditions: 24-48 h at 36 ± 1°C, in aerobiosis

Microorganism		Growth on CETRIMIDE AGAR + NEUTRALIZING	Colonies colour	Growth on ROSE BENGAL CAF AGAR + NEUTRALIZING	Colonies colour
<i>Pseudomonas aeruginosa</i>	ATCC® 27853	Good	Green	Partial inhibition	---
<i>Escherichia coli</i>	ATCC® 25922	Inhibited	---	Inhibited	---
<i>Klebsiella pneumoniae</i>	ATCC® 13883	Inhibited	---	Inhibited	---
<i>Candida albicans</i>	ATCC® 10231	Inhibited	---	Good	Pink
<i>Saccharomyces cerevisiae</i>	ATCC® 9763	Inhibited	---	Good	Pink

TABLE 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	



LIOFILCHEM® S.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto degli Abruzzi (TE) - ITALY
Tel +39 0858930745 Fax +39 0858930330 Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net