HYGİSLİDE
CHROMAGAR S. AUREUS/
CHROMAGAR PSEUDOMONAS

PRINCIPLE AND INTERPRETATION:

Side1: Chromagar Staph aureus: Chromogenic medium for isolation and direct differentiation of Staphylococcus aureus in clinical and industrial samples.
Food Industry: Human beings are the main reservoir of S.aureus. A carrier contaminates the surrounding environment when coughing, sneezing and by touching food with a hand having a staphylococcus-infected lesion. It is often found in the environment and on food preparation surfaces and also in certain uncooked foods (dairy products, salads, sandwiches...). It is important to check the presence of S.aureus before and after the foodstuff sterilisation process.
Clinical relevance: S.aureus is the leading cause of skin and soft tissue infections and can also cause serious infections such as bloodstream infections, pneumonia, or bone and joint infections.

Side2: Chromagar Pseudomonas: Chromogenic medium for isolation and detection of Pseudomonas species.

COMPOSITION:

Chromagar S.aureus

Ingredients	Gr/Liter
Peptone and yeast extract	40 gr
Chromogenic mix	2,5 gr
Salts	25 gr
Agar	15 gr

pH: 6,9 ± 0,2

Chromagar Pseudomonas

Ingredients	Gr/Liter
Peptone	20 gr
Chromogenic mix	2,5 gr
Salts	8 gr
Agar	15 gr

pH: 7,5 ± 0,2

***Formula adjusted, standardized to suit performance parameters

INSTRUCTIONS FOR USE:

Testing Fluids:
1. Mix liquid test sample.
2. Remove the paddle from the vial. Do not touch the agar surfaces.
3. Immerse the slide in the fluid to be tested for about 5 - 10 seconds. Alternatively expose the slide to a spray or running fluid so that the slide surfaces are covered.
4. Both agar surfaces must be completely contacted.
5. Allow excess fluid to drain off both paddle agar surfaces.
6. Replace the Slide into the tube and twist to tighten the cap. Label the tube with the identification label supplied. Incubate the slide as directed later.

Testing Surfaces:
1. Remove the paddle from the vial. Do not touch the agar surfaces.
2. To assure an accurate area recovery, contact the paddle to 20^{2}cm of the surface by contacting the surface twice in separate 10^{2}cm areas.
3. Replace the Slide into the tube and twist to tighten the cap. Label the tube with the identification label supplied. Incubate the slide as directed later.

QUALITY CONTROL:

1.Sterility Control:
Incubation 2 d at 30-35^{o}C and 3 d at 20-25^{o}C: NO GROWTH

2.Phsical/Chemical Control

	pH	Apperance:
Chromagar S. aureus	6,9 ± 0,2	Light Amber
Chromagar Pseudomonas	7,5 ± 0,2	Light amber

3.Microbiological Control: Incubate at 35±2ºC 24 hours and 30±2ºC 18-24 hours.

Side1: Chromagar S.aureus

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Staphylococcus aureus ATCC 25923	10-100	Growth	Pink to mauve
Escherichia coli ATCC 25922	100-1000	Inhibition	-
Candida albicans ATCC 10231	100-1000	Inhibition	-
Enterococcus faecalis ATCC 29212	100-1000	Inhibition	-

Side2: Chromagar Pseudomonas

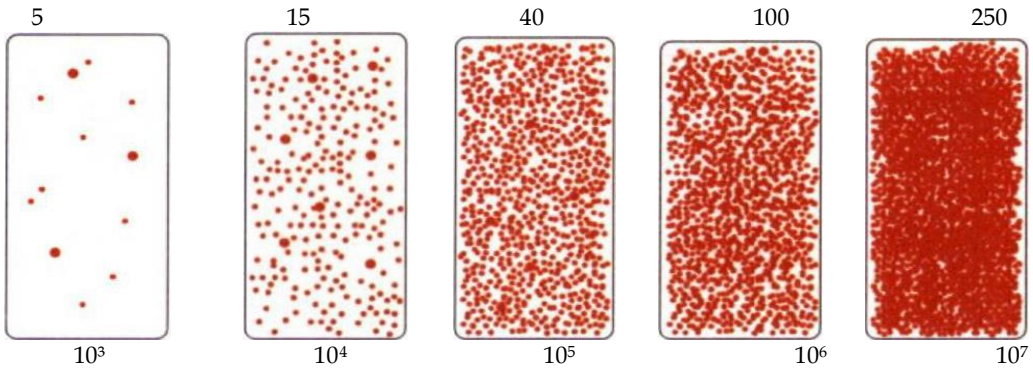
Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Pseudomonas aeruginosa ATCC 9027	10-100	Growth	Blue, green
Pseudomonas aeruginosa ATCC 27853	10-100	Growth	Blue, green with diffusion
Staphylococcus aureus ATCC 25923	100-1000	Inhibition	-
E. faecalis ATCC 29212	100-1000	Inhibition	-
E. coli ATCC 25922	100-1000	Inhibition	-

INTERPRETATION OF RESULTS

Compare the slide surfaces against the comparison chart printed below. Read the result corresponding to fluids or surfaces as appropriate. Note that very high levels of organisms could lead to a confluent growth and could be recorded as a nil result. Compare against an unused slide when reading results.

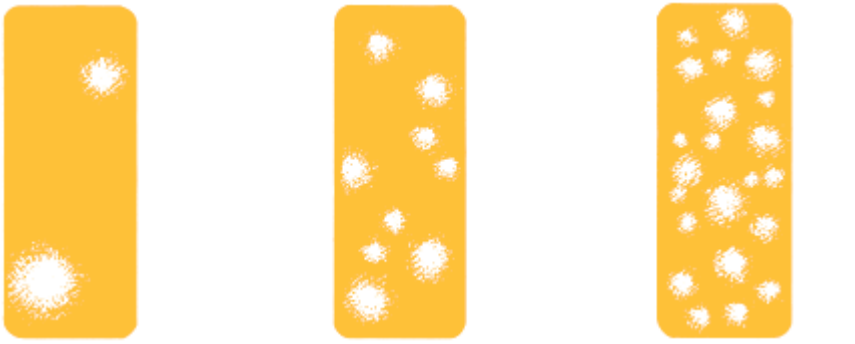
Bacteria Comparison Chart

Surfaces
CFU/cm2



Fluids
CFU/mL

Fungi Comparison Chart



+	++	+++
Slight	Moderate	Heavy

DISPOSAL:

Incubated Slides may contain active bacteria and micro-organisms. Do not open infected slides except as part of disposal procedure. Infected slides should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

STORAGE CONDITIONS AND SHELF LIFE:

Slides should be stored in 2-20 °C. Temperature fluctuations may result in condensation settling at the bottom of the vial, although this does not affect culture properties, it could reduce the shelf-life or cause the agar to separate from the plastic paddle support.

Avoid sudden temperature changes. Shield from direct sunlight. Do not allow paddles to freeze. Do not use any slides which have been inadvertently contaminated during storage and which are already showing growth of micro-organisms

Use before expiry date on the label.Do not use beyond stated expiry date.

PACKAGING:

Katalog Number: 06041
Content/Packaging: 20 Slides/Box

REFERENCES:

1-2001 2001, National Institute of Industrial Technology
2-1999 Alonso J. L. et al. . 1999. Applied and Environmental Microbiology, 65 : 3746-3749.
3-A comparative study of selective media used to detect and confirm coliforms and Escherichia coli in water samples using membrane filtration 1995 1995. Abstract by Collyer J.
4-Evaluacion del nuevo medio cromogenico “CHROMagar Staph aureus” para identification presuntiva de S.aureus (Poster in spanish). 2004 Cerlana P. et al. 2004. Poster presented at XVII Congreso Latino-Americano y X Congreso Argentino de Microbiologia in Buenos aeres (Argentina).
5-Evaluation of CHROMagar Staph aureus, a new chromogenic medium, for isolation and presumptive identification of Staphylococcus aureus from human clinical specimens. 2001 Gaillot O. et al. 2001. Journal of Clinical Microbiology, 38 : 1587-1591.
6-Optimal detection of Staphylococcus aureus from clinical specimens using a new chromogenic medium. 2004 Samra Z., Ofir O., Bahar J. 2004. Diagnostic Microbiology and Infectious Disease 49 : 243-247.
7-En 12322:1999 – In vitro diagnostic medical devices – Culture media for microbiology – Performance criteria for culture media.
8-Clinical and Laboratory Standards Institute.2004. Approved Standard: M22-A3, Quality control for commercially prepared microbiological culture media,3rd ed
9-ISO11133_Microbiology of food, animal feed and water-Preparation, production storage and performance testing of culture media.

Aseptic Sterile

Batch Code

Catalogue Number

Negative Controls

Positive Controls

Use by

Temperature Limitation

Do not reuse

Contains sufficient for <n> tests

Look at user manual

Manufacturer