Laboratorios MICROKIT
¡Pasión por la creatividad!

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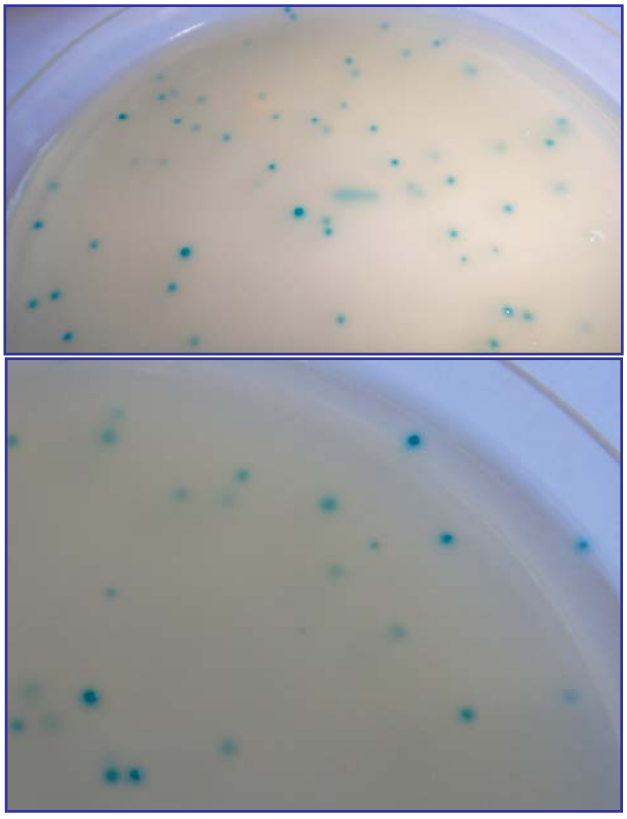
AENOR ER Empresa Registrada ER-632/1999 — ISO 9001

COLICULT-MCC COSMETIKIT® COMPACT-DRY-PLATES®
CRIOTECA® CHROMOSALM DESINFECTEST®
PLAQUIS® KITPRO-5S NUTRILINIA
M-IDENT® SEILAGUA® MUGPLUS CROMOKIT®

CROMOKIT X-STAPH AGAR

Differential isolement and enumeration of *Staphylococcus aureus* in food, water and cosmetic samples.



COMPOSITION

Triptone	13,0 g
Yeast Extract	5,0 g
Meat Extract	5,0 g
Sodium Piruvate	4,0 g
Sodicum Chloride	40,0 g
Litium Chloride	5,0 g
Cromogenic Mixture	5,3 g
Agar-agar	15,0 g

(Formula per liter)
Final pH : adjust to 7,2 ± 0,2

PREPARATION

Dissolve 92,3 g in 1 litter of bidestiled water. Heat till boiling shaking for its complet disolution. Do not autoclave. Cold quickly. If sample has usually high levels of acompanying flora, to increase selectivity, add aseptically when cold until 45 ºC, 100.000 UI of polimixin B (10 ml of our bottle Ref. SMS009). Mix well and let solidify in petri dishes with or without samples.

FOR EXCLUSIVE USE IN LABORATORY.
KEEP BOTTLE CLOSE IN A DRY, FRESH AND DARK PLACE. SHAKE BOTTLE BEFORE USE IT.
DEHIDRATED CODE: DMT515

PRESENTATION: DEHYDRATED MEDIUM (bottles of 500 g and 100 g)

QUALITY CONTROL OF MEDIUM

Elaborated in our laboratory; it is prudent repeat it in your laboratory always conditions change (more than three months without use it, after disinfect your laboratory, after keep it to higher temperature, when it acquires bizard aspects although expire date is correct,…)
DEHIDRATED: Powder, Cream
PREPARED: Sterile, Cream
CUANTITATIVE GROWING CONTROL 18-48 h to 35-37°C aprox:
Staphylococcus aureus MKTA 25923, excelent, blue-green colonies. Inoculating 100 ufc, growth more than 70 tipical colonies.
Staphylococcus epidermidis MKTA 12228, inhibited. Inoculating 10^3 ufc does not growth any colony.
Escherichia coli MKTA 25922, partially inhibited, purple colonies.
Enterococcus faecalis MKTA 29212, partially inhibited, small light-green colonies.

SPREAD

Better mass spread 1 ml sample and its tenfold dilutions, to best enumerations of fermenting microorganisms like *S.aureus*, without typical growth of accompaning strict aerobic microorganisms in surface, like *S.epidermidis*. For membrane filtration method on big liquid samples, put the filtered membrane on the surface of a plate of medium, avoiding bubbles between both of them. For isolement from enrichments (is much better Mannitol Salt Broth than Giolitti cantoni Broth) strike an aliquot of enriched sample on surface.
Incubate at 35-37 ºC aprox, during 18-48 hours.

INTERPRETATION

Count all blue-green colonies as *S.aureus*, because cromogenic mixture only makes this colour on this microorganism. Composition of this medium and mass spread makes it very selective against typical false positives of other media like Baird Parker, RPF or Mannitol Salt Agar. Its wealth of components also avoids the usual false negative of these media.

Final user is the only responsible of elimination of microrganism according current environmental legislation. Autoclave before throw it to the rubbish.

Review in March, 2013