

STREPTOCOCCI SELECTIVE MEDIUM

PD133 STREPTOCOCCI SELECTIVE MEDIUM ,90 mm Petri dish with media

Appearance: cherry-red, opaque, firmly solid

Intended Use and Principles of the Producer-

Application-

A selective enriched medium for the isolation of haemolytic Streptococcus from throat swabs and other clinical specimens. It favors growth of β haemolytic Streptococci ensuring luxuriant growth of the most fastidious microorganisms within 24 hours at 37°C (anaerobically) while the absolutely unique combination of microbial agents contained in the medium inhibits Gram-negative and Gram-positive bacteria except for β haemolytic Streptococci which are not affected, and can be differentiated by their typical haemolytic reaction. A zone of growth inhibition around a bacitracin (0.04 units) disc allows the specific differentiation of group A β haemolytic Streptococci.

Formula (Gram/Liter): Select. strep agar modified (40gr): Enzymatic digest of casein, Type H (15 gr), Enzymatic digest of soybean meal (5gr) NaCl (5gr), Agar (15gr), Selective agent (0.0028gr); Donor sheep blood (5%)

pH Range: 7.1 - 7.5

QC performance

GPT: Inoculum 10-100 cfu

Inhibitory properties: inoculum 10000 cfu

Test	ATCC No.	Incubation Temp.(°C)	Incubation Cond.	Reaction 1	
<i>Streptococcus pyogenes</i> group A	19615	33-37 °C	Anaerobic, 24 hours	Pass	Beta haemol. reaction, sensit.to bacitracin, inhib. zone > 14 mm
<i>Staphylococcus aureus</i>	29213	33-37 °C	Anaerobic, 24 hours	Inhibited	
<i>Staphylococcus aureus</i>	25923	33-37 °C	Anaerobic, 24 hours	Inhibited	
<i>Proteus mirabilis</i>	4630	33-37 °C	Anaerobic, 24 hours	Inhibited	
<i>Escherichia coli</i>	25922	33-37 °C	Anaerobic, 24 hours	Inhibited	



Hy Laboratories Ltd.

6 Menachem Plaut St., Park Tamar, Rehovot 7670606, Israel

Tel. +972.8.9366475 Fax. +972.8.9366474

hylabs@hylabs.co.il | www.hylabs.co.il

Storage (°C): 2-8

Warning and Precautions - For laboratory use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Do not use the product beyond its expiry date

Limitations of the Procedure

The nature of specimen's collection and handling can affect the recovery of the desired species; therefore some strains of group A β haemolytic may be poor on this medium.