

Streptococcus-Selective-Agar (SESA)

Shorthand symbol:	SESA
Item number:	40-1507
Format:	Petri Dish, 90mm
Colour:	Blood-red, opaque
Storage conditions:	Dry, in closed bag at 4 – 10°C.
Shelf-life:	2 Months
pH:	7.3 ± 0.2 at 25°C



Intended use and fields of application

Streptococcus Selective Agar allows the isolation of Streptococci species and Enterococci species from clinical materials and foods.

Typical composition in g/l

in g per 1l Medium

Casein peptone	15.0
Soya peptone	5.0
Sodium chloride	5.0
Aesculin	1.0
Ammonium Iron (III) citrate	0.5
Colistine	0.01
Oxalic acid	0.005
Neomycin sulphate	0.02
Sheep blood (in ml)	50.0
Agar	17.0

*Adjusted as required to meet performance standards

Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the following specification:

Productivity

Incubation Conditions: 24 ± 4 hours at 36 ± 2 °C; Inoculum concentration of Target Organisms: 80 – 120 CFU

Organism	Type Strain	Specification	Colony morphology
Streptococcus pyogenes	ATCC 12344	50–130 %	Small, grey colonies with significant hydrolysis
Enterococcus faecalis	ATCC 19433/WDCM 00009	50–130 %	Small, grey colonies with blackening of the agar media around the colonies

Selectivity

Incubation conditions: 24 ± 4 hours at 36 ± 2 °C; Inoculum concentration: Target organisms: 10.000–1.000.000 CFU

Organism	Type Strain	Specification	Colony morphology
Escherichia coli	ATCC 8739/WDCM 00012	Complete or partial inhibition	-
Staphylococcus aureus	ATCC 6538/WDCM 00032	Complete or partial inhibition	-

Microbial Contamination

Incubation conditions: 5–7 days at 20–25°C and 5–7 days at 30–35 °C

Specification

No microbial contamination