

SIERRA LIPOLYTIC AGAR

Medium for lipolytic bacteria isolation.

TYPICAL FORMULA (g/l)

Peptone	10.0
Sodium Chloride	5.0
Calcium Chloride	0.1
Agar	25.0
Final pH = 7.6 ± 0.2 at 25 °C.	

DIRECTIONS

Suspend 40.1 g of powder in 990 ml of distilled or deionized water. Gently mix and heat to boiling until completely dissolved. Sterilize in the autoclave at 121°C for 15 minutes. Cool to 45-50°C. Separately autoclave Tween 80 for 15 minutes at 121°C. Cool to 45-50°C. Aseptically add 10 ml of sterile Tween 80 (code 80031) to the sterile medium. Mix thoroughly. Dispense into Petri dishes.

DESCRIPTION

SIERRA LIPOLYTIC AGAR is used for the differentiation of bacteria based on lipase activity.

TECHNIQUE

Streak the specimen onto the surface of the medium using a sterile loop. Incubate at 36 ± 1 °C for 24-48 hours. Bacteria with lipase activity form colonies surrounded by a white precipitate.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

Prepared medium

Appearance: clear.

Color: light amber.

Incubation conditions: 36 ± 1°C for 24-48 hours.

Microorganism	ATCC	Growth	Characteristics	Halo
<i>Escherichia coli</i>	25922	good	colorless	-
<i>Pseudomonas aeruginosa</i>	27853	good	colorless	+
<i>Staphylococcus aureus</i>	25923	good	white	+
<i>Candida albicans</i>	10231	good	white	+

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

Store prepared plates at 2-8°C.








REFERENCES

- MacFaddin. (1985). Media for isolation-cultivation-identification- maintenance of medical bacteria, p. 695-699, vol. 1. Williams & Wilkins, Baltimore, MD
- Murray, Baron, Pfaller, Tenover, Tenover (ed.) (1995). Manual of clinical microbiology, 6th ed. American Society for Microbiology, Washington, D.C.

PRESENTATION

Product	REF	Σ
SIERRA LIPOLYTIC AGAR (12.4 l)	611015	500 g
SIERRA LIPOLYTIC AGAR (2.4 l)	621015	100 g

TABLE OF SYMBOLS

LOT Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	IVD In Vitro Diagnostic Medical Device
REF Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	 Keep away from heat source



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