

# COAGULASE TEST

## Lyophilic citrate rabbit plasma for coagulase test

### DESCRIPTION

**COAGULASE TEST** is constituted by lyophilic rabbit plasma containing EDTA (Ethylenediaminetetraacetic Acid) used for the detection of coagulase enzyme produced by *Staphylococcus aureus*.

### CONTENT OF THE PACKAGES

Each package contains :

- 5 vials containing 4 mL of rabbit plasma
- 1 instruction sheet

### ITEMS NECESSARY NOT INCLUDED IN THE PACKAGES

- Physiological Solution (ref. 20095)
- Brain Heart Infusion Broth (ref. 20104)

### PRINCIPLE OF THE METHOD

The coagulase produced by *Staphylococcus aureus* acts on fibrinogen transforming it into fibrin. The reaction takes place without calcium which is chelated by EDTA.

### COMPOSITION (mL/vial)

COMPOSITION	(mL/vial)
Lyophilic rabbit plasma	4.0

### USE

- Take one vial of **COAGULASE TEST** from the package and aseptically reconstitute with 4 mL of Physiological Solution (ref. 20095).
- Prepare a culture in Brain Heart Infusion Broth (ref. 20104) picking up one or more colonies from selective media for *Staphylococcus aureus* isolation and incubate at  $36 \pm 1^\circ\text{C}$  for 4-6 hours.
- In a sterile tube mix 0.5 mL of **COAGULASE TEST** with 0.5 mL of culture broth and incubate at  $36 \pm 1^\circ\text{C}$  for 1-2-4-8-24 hours.

### INTERPRETATION OF RESULTS

- Verify the formation of the clot, in case using a sterile loop. Do not incubate over 24 hours because cases of fibrinolysis can take place.

### QUALITY CONTROL

Each batch of **COAGULASE TEST** is submitted to the quality control using the following microorganisms:

Microorganism		Coagulation
<i>Escherichia coli</i>	ATCC 25922	-
<i>Staphylococcus aureus</i>	ATCC 25923	+

### PRECAUTIONS

**COAGULASE TEST** cannot be classified as being hazardous according to the current legislation, nor does it contain harmful substances in concentrations  $\geq 1\%$ . It therefore does not require a Safety Data Sheet to be available.

**COAGULASE TEST** is a disposable device to be used only for diagnostic use *in vitro*. It must be used in the laboratory by properly trained personnel, using approved aseptic and safety methods for handling pathogenic agents.

### STORAGE

Store **COAGULASE TEST** at  $2-8^\circ\text{C}$  in the original packaging. Keep away from sources of heat and avoid excessive changes in temperature. In such conditions, **COAGULASE TEST** will remain valid until the expiry date indicated on the label. Do not use beyond that date. Eliminate without using if there are signs of deterioration.

### DISPOSAL OF USED MATERIAL

After use, **COAGULASE TEST** and material that has come into contact with the sample must be decontaminated and disposed of in accordance with the techniques used in the laboratory for decontamination and disposal of potentially infected material.

### BIBLIOGRAPHY

- W.E. Kloos and J.H. Jorgensen "Staphylococci" p. 143-153. In E.H. Lennette, A. Balows, W.J. Hausler Jr., H.J. Shadomy. *Manual of Clinical Microbiology*, 4<sup>th</sup> Edition, American Society for Microbiology, Washington, D.C. 1985.

### PRESENTATION

Product	REF	$\Sigma$
<b>COAGULASE TEST</b>	<b>88030</b>	<b>5</b>

### TABLE OF SYMBOLS

<b>IVD</b> In Vitro Diagnostic Medical Device	 Do not reuse
<b>REF</b> Catalogue number	 Fragile, handle with care
 Manufacturer	$\Sigma$ Contains sufficient for <n> tests
 Use by	 Caution, consult accompanying documents
 Temperature limitation	<b>LOT</b> Batch code



LIOFILCHEM® s.r.l.

64026 Roseto degli Abruzzi (Te) Italy  
Tel. +39.0858930745 - Fax +39.0858930330

[www.liofilchem.net](http://www.liofilchem.net) [liofilchem@liofilchem.net](mailto:liofilchem@liofilchem.net)



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