

## COAGULASE PLASMA EDTA

Lyophilized rabbit plasma for the identification of coagulase positive staphylococci

### INTRODUCTION AND PRINCIPLE OF THE METHOD

Coagulase Plasma EDTA is used for the identification of pathogenic Staphylococci, principally *S. aureus* by means of the coagulase test. When the strain is placed in contact with rabbit plasma, the appearance of coagulation is observed.

### VIAL CONTENTS

REF 429938 : Rabbit Plasma EDTA, 1.0 ml (lyophilized) - 6 tests

REF 429937 : Rabbit Plasma EDTA, 2.5 ml (lyophilized) -15 tests

REF 429936 : Rabbit Plasma EDTA, 5.0 ml (lyophilized) - 30 tests

### PREPARATION

REF 429938: reconstitute the contents of one vial with 3 ml of sterile distilled water under aseptic conditions.

REF 429937 : reconstitute the contents of one vial with 7,5 ml of sterile distilled water under aseptic conditions.

REF 429936 : reconstitute the contents of one vial with 15 ml of sterile distilled water under aseptic conditions.

Stir for 30 seconds by means of a vortex to dissolve completely. The rabbit plasma results to be diluted 1:3

### SPECIMENS

The sample consists of colonies isolated on an agar medium.

### DIRECTIONS

Prepare a 18-24 hour culture of the test organism by inoculating a tube of Brain Heart Infusion Broth with a loopful of growth taken from a pure culture.

Mix 0.5 ml of Coagulase Plasma EDTA with 0.5ml of culture in a test tube.

Incubate at 37°C and examine for plasma coagulation after 3-6 hours and if the reaction is negative after 24 hours.

### READING AND INTERPRETATION

Observe the appearance of coagulation by gently inclining each tube to avoid breaking the developing clot.

**Positive result:** appearance of a clot within 24 hours.

**Negative result:** absence of a clot within 24 hours

### QUALITY CONTROL

If the quality control is performed by the user, the following strains are recommended: positive control: *Staphylococcus aureus* ATCC 25923, negative control: *Staphylococcus epidermidis* ATCC 12228

### LIMITATIONS

Some species of Staphylococci other than *Staphylococcus aureus* (e.g. *S.intermedius* and *S.hycus*) may give positive reaction to coagulase test.

### PRECAUTIONS

The vial contains a product from animal origin. The certification of origin and the certification of sanitary state do not totally guarantee the absence of transmissible pathogenic agents. It is therefore recommended that Coagulas Plasma EDTA be treated as potentially infectious and handled observing the usual safety precautions (do not ingest, do not inhale).

For *in vitro* diagnostic use only. Coagulase Plasma EDTA is for professional use only and it should be used by adequately trained personnel with knowledge of microbiological techniques in the laboratory. Observe approved biohazard precautions and aseptic techniques.

**STORAGE**

Coagulase Plasma EDTA should be stored at 2-8°C in their box, until the expiration date. When stored as directed the reagent remains stable until the expiration date shown on the label. Coagulase Plasma EDTA should not be used if there are any signs of deterioration and if the cap is not intact. After reconstitution, the plasma can be stored at 2-8°C for 1 week.

**PAKAGING**

REF 429938 : Rabbit Plasma EDTA,	→	10 x 1	10 x 3 ml (60 tests)
REF 429937 : Rabbit Plasma EDTA,	→	4 X 2.5 ml	4 x 7,5 ml (60 test)
REF 429936 : Rabbit Plasma EDTA,	→	4 X 5 ml	4 x 15 ml (120 tests)