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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BROAD SPECTRUM BETA-LACTAMASE MIXTURE SR0113E		

BROAD SPECTRUM BETA-LACTAMASE MIXTURE

SR0113E

Formula

Per vial

Lyophilised β -Lactamases

β -Lactamase I minimum

500 IU

β -Lactamase II minimum

50 IU

1 unit of enzyme activity will hydrolyse 1.0 μ mole of substrate per minute at pH 7.0 and at 25°C.

Note that 1 IU of activity = 600 Levy units of activity.

Description

The enzyme mixture is presented as a freeze-dried powder containing buffer and zinc salts.

Directions

Aseptically add 5ml of sterile distilled water into a vial of enzyme mixture and mix gently. Add 1ml of this solution aseptically to the blood culture bottle and mix well, preferably before or immediately after inoculation with the blood sample (5-10ml).

Physical Characteristics

Sterility - passes test

Stability of Reagents

Reconstituted solution of the enzyme can be stored at 2-8°C for up to four weeks. It can also be stored at -20°C, however, it is not advisable to store the solution for long periods because of the possibility of contamination. Repeated freezing and thawing should be avoided.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Stability of Reagents	Update of the statement for stability of reagents.	Updated to give clarification	MOC-2022-0362