

7982 Egg Yolk Emulsion, 100ml

Intended Use

Egg Yolk Emulsion, 100ml is a sterile 50% suspension of stabilized egg yolk in saline used as an enrichment in bacterial culture media in a laboratory setting. Egg Yolk Emulsion, 100ml is not intended for use in the diagnosis of disease or other conditions in humans.

Principles of the Procedure

Egg Yolk Emulsion, 100ml is added to various media used to identify species of *Clostridium*, *Bacillus* and *Staphylococcus* based on these species' lipase and/or lecithinase activity.

For use in:

7741 MYP Agar Base: This medium differentiates *B. cereus* from other bacteria based on resistance to Polymyxin B, lack of Mannitol fermentation, and presence of lecithinase. After preparation and sterilization of the base medium, aseptically add 50ml of Egg Yolk Emulsion and 10ml of a sterile 50,000 IU solution of Polymyxin B (7997) to 900ml of the MYP base medium.

7442 Bacillus Cereus Agar Base: This medium differentiates *B. cereus* from other bacteria based on resistance to polymyxin, lack of mannitol fermentation, and presence of lecithinase. After preparation and sterilization of the base medium, aseptically add 50ml of Egg Yolk Emulsion and 10ml of a sterile 50,000 IU solution of Polymyxin B (7997) to 950ml of the Bacillus Cereus Agar base medium.

9188 Clostridium Perfringens Agar Base: *C. perfringens* demonstrates lecithinase activity, causing an opaque zone around the colony. After preparation and sterilization of the base medium, aseptically add 100ml of Egg Yolk Emulsion to 900ml of the Clostridium Perfringens Agar Base medium. Add the antimicrobial supplement of choice to make up either TSC Agar or SFP Agar

Formula:

Egg Yolk50ml
Saline, sterile.....50ml

Directions

1. Follow the base media instructions for the preparation of the culture medium using egg yolk enrichment.

Quality Control Specifications

Appearance: Egg Yolk Emulsion, 100ml is a yellow and opaque suspension.

Reconstitution Procedure

Egg Yolk Emulsion, 100ml is ready to use.

Storage

Store sealed bottle containing the product at 2 - 8°C. If opened and not completely utilized, be certain that aseptic dispensing procedures are followed to maintain sterility of the emulsion. Protect from contamination by keeping container tightly closed.

Expiration

Refer to expiration date stamped on the container. The emulsion should be discarded if not sterile, or if appearance has changed from the original color. Expiry applies to emulsion in its intact container when stored as directed.

Limitations of the Procedure

Egg Yolk Emulsion should be thoroughly re-suspended before use. Mix gently by hand without generating foam or bubbles

