

Certificate of Analysis

Product: Freund's Adjuvant, Complete

Code: D614-0100

Lot # 20125

Size: 100 ml

Physical State: Liquid

Protein Concentration: Not determined

Composition: Special formulation of adjuvant containing paraffin oil, mannide monooleate and heat-killed *Mycobacterium butyricum*.

Stabilizer: None

Preservative: None

Application(s): For the formation of water-in-oil antigen emulsions

Recommended Use(s): Freund's adjuvant may be used to form water-in-oil emulsions with antigens for the injection of immunogens for antibody production. Proper emulsion formation is essential and should be tested by observing a drop of the emulsion on the surface of water, which should 'bead and not disperse. Antigens properly emulsified stimulate a strong and long-lasting immune response due to the slow release of antigen into the host's system.

Storage Conditions: Store vial at 4° C prior to opening. DO NOT FREEZE. Expiration date is one (1) year from date of opening.

Reference: Freund, J. and Mc Dermott, K., Proc. Soc. Exp. Bio. N.Y., **49**, 548 (1942).

Immunogen: Not applicable

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.

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