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Certificate of Analysis

Clostridium septicum

Direct FA Conjugate

CATALOG NO.: 210-25-CS

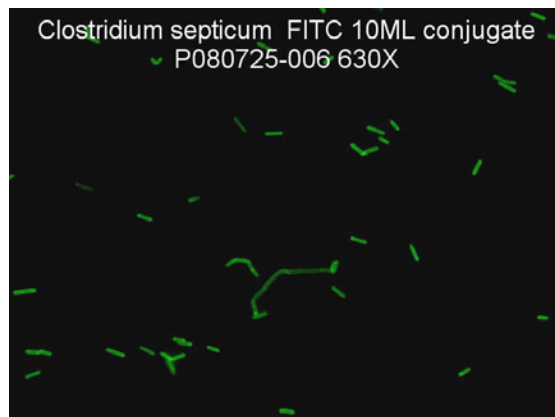
re-order CJ-F-CS-10ML

VOLUME: 10 ml

LOT: P080725-006

EXPIRATION: 24 March 2012

AGENT: *Clostridium septicum* (ATCC 12464)



DESCRIPTION: Anti-*Clostridium septicum* polyclonal antiserum conjugated to fluorescein isothiocyanate. Bovine origin. Ready for use.

QUALITY CONTROL METHOD: Direct FA using VMRD, Inc. *Clostridium septicum* FA substrate slides (catalog no. SLD-IFA-CS) to detect binding.

Specific Reaction: 4+ fluorescence at neat with no background.

Other Reactions or Comments: No significant reaction with *C. chauvoei* (flagella only), *C. novyi*, *C. perfringens*, or *C. sordellii*.

INTENDED USE: Useful for the detection of *Clostridium septicum* in animal tissues or from cultures.

STORAGE: This conjugate is provided in liquid form and should be stored at 4-8°C. DO NOT FREEZE! If conjugate becomes cloudy, it should be discarded. This conjugate 20 ppm ProClin 300 as a preservative.

FOR *IN VITRO* LABORATORY USE ONLY.

WARRANTY: VMRD, Inc. warrants that this product is as described in the quantity and contents stated on the label at the time of delivery to the customer. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE MADE BEYOND THE LABEL DESCRIPTION, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Remedy is limited to replacement of the product or refund of the purchase price. VMRD, Inc. is not liable for property damage, personal injury, or economic loss caused by the product. The information listed in this information sheet is provided for reference only, and should not be substituted for the user's own incoming material quality control.

RECOMMENDED STAINING PROCEDURE FOR DIRECT FA:

1. Air dry smears or tissue sections for at least 30 minutes at room temperature.
2. Fix smears or tissue sections on slides for 20 minutes in acetone-methanol (75/25) at room temperature. After fixation and before staining, slides should be dried for 10 minutes in a dry 37°C incubator.
3. Stain slides with 50-75 µl conjugate for 30 minutes at 37°C in humid chamber.
4. Gently rinse slides briefly in FA Rinse Buffer, pH 9.0 (VMRD catalog no. 210-90-RB) and then soak for 10 minutes in FA Rinse Buffer, pH 9.0.
5. Drain slides and dry back and edges with a paper towel. Do not allow stained surface to dry. Do not rinse with water.
6. Mount with FA Mounting Fluid [glycerol/FA rinse buffer, pH 9.0, (50/50)] (VMRD catalog no. 210-92-MF) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be at 400X.

4X FA RINSE BUFFER (pH 9.0):

- Na₂CO₃ 11.4 gm
- NaHCO₃ 33.6 gm
- NaCl 8.5 gm
- DI/dH₂O Q.S. to 1 liter

Final pH should be 9.0-9.5. This is a 4X concentrate and should be diluted 1:4 with DI/distilled water for use as a working buffer. Keep in a tightly stoppered container at room temperature. MOUNTING FLUID is made by mixing glycerol and FA rinse buffer, pH 9.0, in equal proportions.