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## Certificate of Analysis

### ***Clostridium septicum***

#### **FA Substrate Slide**

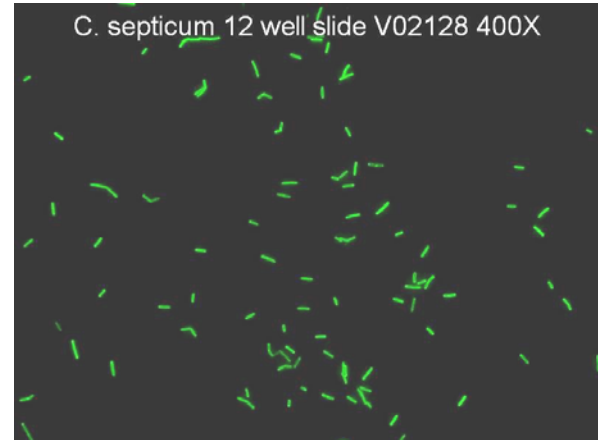
**CATALOG NO.:** SLD-IFA-CSE

**SIZE:** 12 well

**LOT:** V02128

**EXPIRATION DATE:** 8 July 2011

**AGENT:** *Clostridium septicum* (ATCC 12464)



**QUALITY CONTROL METHOD:** Direct FA using VMRD, Inc. Direct FA FITC Conjugates to *C. chauvoei* (catalog no. 210-14-CC or 210-15-CC), *C. novyi* (catalog no. 210-16-CN or 210-17-CN), *C. septicum* (catalog no. 210-24-CS or 210-25-CS), and *C. sordellii* (catalog no. 210-18-CSO or 210-19-CSO).

**Specific Reaction:** 4+ fluorescence with *Clostridium septicum* conjugate with no background. Negative on the other clostridium conjugates except 4+ on flagella of *Clostridium chauvoei*. 20-60 organisms per high power field.

**Other Reactions or Comments:** NA

**PATTERN OF FLUORESCENCE:** Individual rod-shaped bacteria. Some clumped bacteria. May react with large flagella.

**INTENDED USE:** Useful as a control for *Clostridium septicum* Direct FA Conjugate. Not intended as a control for any other clostridial conjugate.

**STABILITY:** Foil-pouch sealed slides are stable for at least 6 months when stored below -20°C. Avoid self-defrosting freezers.

**DESCRIPTION:** Slides contain *Clostridium septicum* bacteria on the surface of Teflon-masked slides. They are supplied fixed and unstained in moisture-free foil pouches.

**INTERPRETATION OF RESULTS:** Staining slides with *Clostridium septicum* Direct FA Conjugate (VMRD catalog no. 210-25-CS) should show positive fluorescence.

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 INDIRECT FA:**

1. Warm slide to room temperature before removing from foil pouch.
2. Place 20 µl *Clostridium septicum* Direct FA Conjugate (catalog no. 210-25-CS) on the designated wells.
3. Incubate slide in humid chamber at 37°C for 30 minutes.
4. Using a wash bottle, gently rinse slide briefly in FA rinse buffer, pH 9.0 (catalog no. 210-90-RB) and then soak for 10 minutes in FA rinse buffer, pH 9.0.
5. Drain slide and dry back and edges with a paper towel. Do not allow stained surface to dry. Do not rinse with water.
6. Mount with mounting fluid [glycerol/FA rinse buffer, pH 9.0, (50/50)] (catalog no. 210-92-MF) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be made at 400X.

**4X FA RINSE BUFFER (pH 9.0):**

- Na<sub>2</sub>CO<sub>3</sub> ..... 11.4 gm
- NaHCO<sub>3</sub> .....33.6 gm
- NaCl ..... 8.5 gm
- DI/dH<sub>2</sub>O .....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.