

**VMRD**

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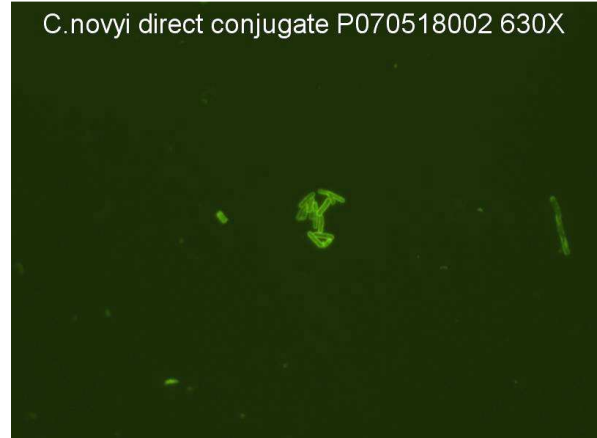
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Certificate of Analysis

Clostridium novyi *Direct FA Conjugate*

CATALOG NO.: 210-17-CN**VOLUME:** 10 ml**LOT:** P070518-002**EXPIRATION:** 14 June 2009**AGENT:** *Clostridium novyi* (ATCC 25758 type B)

C.novyi direct conjugate P070518002 630X

**DESCRIPTION:** Anti-*Clostridium novyi* (ATCC #25758, Type B) polyclonal antiserum conjugated to fluorescein isothiocyanate. Goat origin. Ready for use.**QUALITY CONTROL METHOD:** Direct FA using VMRD, Inc. *Clostridium novyi* FA substrate slides (catalog no. SLD-IFA-CNO) to detect binding.**Specific Reaction:** 3-4+ positive fluorescence on positive cells; negative on negative cells.**Other Reactions or Comments:** No Background. No significant reaction with *C. chauvoei*, *C. perfringens*, *C. septicum*, or *C. sordellii*. Cross-reacts with *C. haemolyticum*.**INTENDED USE:** Useful for the detection of *Clostridium novyi* 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 contains 0.09% sodium azide as a preservative.

FOR *IN VITRO* LABORATORY USE ONLY.

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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
- NaHCO₃33.6 gm
- NaCl 8.5 gm
- DI/dH₂OQ.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.