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Certificate of Analysis

Neospora caninum

Direct FA Conjugate

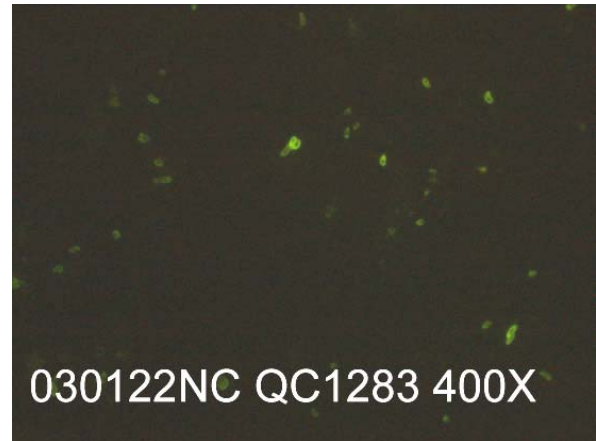
CATALOG NO.: 210-08-NC

VOLUME: 1 ml

LOT: 030122NC

EXPIRATION: 9 April 2011

AGENT: *Neospora caninum*



DESCRIPTION: Anti-*Neospora caninum* polyclonal antiserum conjugated to fluorescein isothiocyanate. Goat origin. Ready to use.

QUALITY CONTROL METHOD: Direct FA using VMRD, Inc. *Neospora caninum* 12-well FA substrate slides (catalog no. SLD-IFA-NC).

Specific Reaction: 3+ on positive cells with no background.

Other Reactions or Comments: NA

INTENDED USE: This reagent is useful for detection of *Neospora caninum* in cell cultures. Usefulness for clinical samples is untested.

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.

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. Do not dry cell cultures.
2. Cell cultures should be rinsed with PBS and fixed in pure acetone for 10 minutes 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.

PHOSPHATE BUFFERED SALINE (PBS) SOLUTION (pH 7.2):

- Na₂HPO₄ 1.19 gm
- NaH₂PO₄ 0.22 gm
- NaCl 8.55 gm
- DI/dH₂O Q.S. to 1 liter

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.