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Certificate of Analysis

FELINE PANLEUKOPENIA VIRUS (FPLV)

Direct FA Conjugate

CATALOG NO.: CJ-F-FPL-MAB-10ML

VOLUME: 10 ml

LOT: P111025-003

EXPIRATION: 12 October 2019

AGENT: Feline Panleukopenia Virus (FPLV)

STRAIN: NA

FPL Monoclonal FITC conjugate
P111025-003 400X



DESCRIPTION: Anti- FPL monoclonal antibody conjugated to fluorescein isothiocyanate (FITC). Murine origin. Ready to use. Liquid.

QUALITY CONTROL METHOD: Direct FA using VMRD, Inc. FPL 2 well slides (catalog no. SLD-FAC-FPL) to detect binding.

Specific Reaction: 2-4+ signal on the positive well and negative on the negative well, with no background noted on either well.

Other Comments: The raw material reacts with Mink enteritis virus (MEV) and Canine Parvovirus (CPV). It was also screened by Direct FA and does not react with *Bartonella Henselae*, Feline Calicivirus (FCV), Feline Leukemia Virus (FeLV), Feline Herpesvirus (FHV-1/FVR), Feline Infectious Peritonitis type 1 and 2 (FIP-1 and 2), Reovirus (REO), and Rabies Recombinant Nucleoprotein (rNP), *Toxoplasma gondii*, Vesicular Stomatitis Virus Indiana and New Jersey strains (VSV).

PATTERN OF FLUORESCENCE: Single cells with cytoplasmic and/or nuclear fluorescence.

INTENDED USE: Suitable for staining FPLV in tissues or cell cultures.

STORAGE: This conjugate is provided in liquid form and should be stored at 2-7°C. **DO NOT FREEZE!** It should also be stored in the original container and/or in the dark. If conjugate becomes cloudy it should be discarded. This conjugate contains 0.09% sodium azide as a preservative.

REFERENCES: NA

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.

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15 October 2015

RECOMMENDED STAINING PROCEDURE FOR DIRECT FA:

1. Air dry smears or tissue sections for at least 30 minutes at room temperature (do not dry cell cultures!).
2. Fix smears or tissue sections on slides for 20 minutes in acetone-methanol (75/25) at room temperature. 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 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. FARB-4X) 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. FAMF-10ML) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be made at 400X.

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

- Na₂HPO₄1.19 gm
- NaH₂PO₄0.22 gm
- NaCl8.55 gm
- DI/dH₂OQ.S. to 1 liter

4X FA RINSE BUFFER (pH 9.0):

- Na₂CO₃11.4 gm
- NaHCO₃33.6 gm
- NaCl8.5 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. FA MOUNTING FLUID is made by mixing glycerol and FA Rinse Buffer, pH 9.0, in equal proportions.