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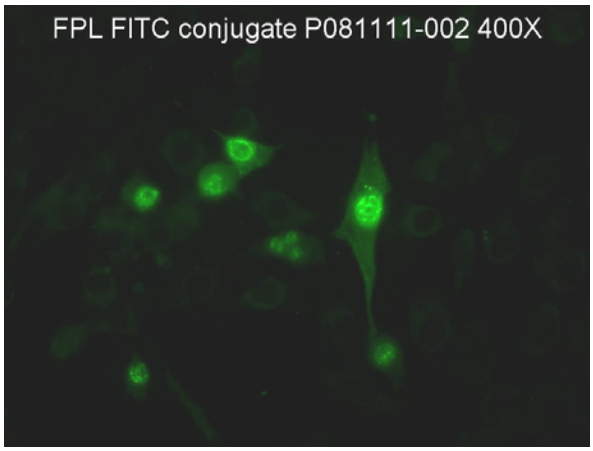
Certificate of Analysis

FELINE PANLEUKOPENIA VIRUS (FPLV)

Direct FA Conjugate



CATALOG NO.: 210-45-FPL
re-order as CJ-F-FPL-MAB-10ML
VOLUME: 10 ml
LOT: P081111-002
EXPIRATION: 21 July 2012

VIRUS: Feline Panleukopenia Virus (FPLV)

DESCRIPTION: Anti-FPLV mouse monoclonal antibody (A3B10) conjugated to fluorescein isothiocyanate. Liquid Ready for use.

QUALITY CONTROL METHOD: Direct FA on infected cell cultures using VMRD, Inc. FPLV FA control slides (catalog no. SLD-FAC-FPL) to detect binding.

Specific Reaction: 4+ fluorescence on positive well and negative on negative well with no background.
Other Comment: NA

INTENDED USE: Suitable for staining FPLV in tissues or cell cultures. Cross-reacts with mink enteritis virus and canine parvovirus.

STORAGE: This conjugate is provided in liquid form and should be stored at 2-7°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.

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 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 made at 400X.

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

- Na_2HPO_4 . . . . . .1.19 gm
- NaH_2PO_4 . . . . . .0.22 gm
- NaCl . . . . . .8.55 gm
- DI/dH_2O . . . . . .Q.S. to 1 liter

4X FA RINSE BUFFER (pH 9.0):

- Na_2CO_3 . . . . . .11.4 gm
- $NaHCO_3$ . . . . . .33.6 gm
- NaCl . . . . . .8.5 gm
- DI/dH_2O . . . .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. FA MOUNTING FLUID is made by mixing glycerol and FA Rinse Buffer, pH 9.0, in equal proportions.