

 Telephone:
 509-334-5815

 Fax:
 509-332-5356

 E-mail:
 vmrd@vmrd.com

Web site: http://www.vmrd.com

Certificate of Analysis

VR/FHV-1 12 well slide

P120820-004 400X

FELINE VIRAL RHINOTRACHEITIS/FELINE HERPESVIRUS-1 (FVR/FHV-1)

IFA Substrate Slide

CATALOG NO.: SLD-IFA-FVR

SIZE: 12 Well

WELL CAPACITY: 50 μl

LOT: P120820-004

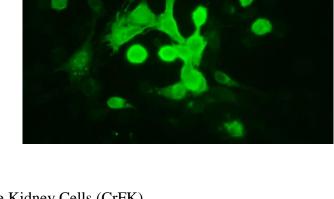
EXPIRATION: 24 August 2016

AGENT: Feline Herpesvirus-1/Feline Viral

Rhinotracheitis (FHV-1/FVR)

STRAIN: FVR (Tennessee Strain)

CELL CULTURE SUBSTRATE: Crandell Feline Kidney Cells (CrFK)



DESCRIPTION: Slides are virus-infected cell cultures grown on the surface of Teflon-masked slides. They are supplied fixed and unstained in moisture-free foil pouches. All wells contain both positive and negative cells. The positive cells usually total no more than 30% of the cells in the well so that good contrast may be seen.

QUALITY CONTROL METHOD: Indirect FA using VMRD FVR/FHV-1 Positive control (catalog no. PC-IFA-FVR), and Anti-Feline IgG FITC CJ (catalog no. CJ-F-FELG-10ML).

Specific Reaction: 3-4+ fluorescence with the positive control and negative with

the diluent control, no background. There are 0 to 20 infected

cells or plaques per high powered field.

Other Comments: NA

PATTERN OF FLUORESCENCE: Individual rounded cells with cytoplasmic and nuclear fluorescence. Some small syncytia.

INTENDED USE: Generally used for Indirect FA to detect antibody to FVR but may also be used as a positive and negative control substrate slide for Direct FA conjugates when applicable. May be used to differentiate antibody class (IgG or IgM) with suitable quality fluoresceinated second antibody conjugate.

STORAGE: Store sealed in foil pouch at -20°C. Avoid self-defrosting freezers.

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.

RECOMMENDED STAINING PROCEDURE FOR INDIRECT FA:

- 1. Warm slide to room temperature before removing from foil pouch.
- 2. Place diluted serum on the designated wells. Dilute serum in serum diluting buffer, pH 7.2 (catalog no. FASDB-100ML) however if high background due to anti-bovine IgG activity is present it may be advisable to use SSDB-100ML.
- 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. FARB-4X) and then soak for 10 minutes in FA rinse buffer, pH 9.0.
- 5. Drain slide and dry around wells by pressing blotter (included in pouch) to front surface. Place labeled anti-IgG or IgM on the wells.
- 6. Incubate as in step 3.
- 7. Rinse as in step 4.
- 8. Drain slide and dry <u>back and edges</u> with a paper towel. Do not allow stained surface to dry. Do not rinse with water.
- 9. Mount with mounting fluid [glycerol/FA rinse buffer, pH 9.0, (50/50)] (catalog no. FAMF-10ML) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be made at 400X.

RECOMMENDED STAINING PROCEDURE FOR DIRECT FA:

- 1. Warm slide to room temperature before removing from foil pouch.
- 2. Place of direct FA conjugate 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. FARB-4X) and then soak for 10 minutes in FA rinse buffer, pH 9.0.
- 5. Drain slide and dry <u>back and edges</u> 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. FAMF-10ML) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be at 400X.

SERUM DILUTING BUFFER (pH 7.2):*

-	Na ₂ HPO ₄	9	gm
-	NaH ₂ PO ₄	2	gm
-	NaCl	5	gm
-	BSA)	gm
_	DI/dH ₂ O	11	iter

^{*} This recipe makes 1 liter. If you need less, adjust recipe accordingly. Store at 2-7°C. Add 0.09% NaN₃ if diluted serum is not going to be used within one week.

4X FA RINSE BUFFER (pH 9.0):

-	- Na ₂ CO ₃	11.4 gm
-	- NaHCO3	33.6 gm
-	- NaCl	8.5 gm
_	- DI/dH ₂ 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.