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Certificate of Analysis

IFA SERUM DILUTING BUFFER

CATALOG NO.: 210-93-SB

VOLUME: 100 ml

LOT: P090722-004

EXPIRATION: 06 August 2011

DESCRIPTION: Serum Diluting Buffer is PBS with 1% BSA, preserved with 0.09% sodium azide.

QUALITY CONTROL METHOD: Indirect FA using VMRD Positive Controls, corresponding secondary conjugates and slides on one each of the following systems: Bovine PI-3 (catalog no. 211-P-PI3, 020-1 or 020-10, and SLD-IFA-PI3), Canine CDV (catalog no. 211-P-CDV, 035-1 or 035-10, and SLD-IFA-CDV), Equine ERV (catalog no. 211-P-ERV-EQ, 043-1 or 043-10, and SLD-IFA-ERV), Llama ERV (catalog no. 211-P-ERV-LL, 066-1 or 066-10, and SLD-IFA-ERV), Feline FVR (catalog no. 211-P-FVR, 055-1 or 055-10, and SLD-IFA-FVR), Porcine PCV Type 2 (catalog no. 211-P-PCR, 085-1 or 085-10, and SLD-IFA-PCV), Goat CDV Antiserum (catalog no. 210-70-CDV, 075-1 or 075-10, and SLD-IFA-CDV), and Mouse MAb CDV-NP (catalog no. CDV-NP, 095-1 or 095-10, and SLD-IFA-CDV).

Specific Reaction: Each system produced at least a 3+ signal with positive controls at neat, the diluent alone produced no signal and no background with all systems.

Comments: Use of Special Serum Diluting Buffer containing 10% adult bovine serum (catalog no. 210-94-SB) is preferable for diluting canine, equine, and feline serum for IFA. **Do not use for any bovine IFA testing.**

INTENDED USE: Serum Diluting Buffer should be used for diluting serum in IFA testing.

STORAGE: Store at 2-7°C.

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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24 August 2009

RECOMMENDED STAINING PROCEDURE FOR INDIRECT FA:

1. Warm slide to room temperature before removing from foil pouch.
2. Place 50 µl diluted serum on the designated wells. Dilute serum in serum diluting buffer, pH 7.2 (catalog no. 210-93-SB).
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. 210-90-RB) 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 50 µl 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 back and edges 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. 210-92-MF) 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 50 µl 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. 210-90-RB) and then soak for 10 minutes in FA rinse buffer, pH 9.0.
5. Drain slide and dry back and edges 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. 210-92-MF) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be at 400X.

SERUM DILUTING BUFFER (pH 7.2):*

- Na₂HPO₄ 1.19 gm
- NaH₂PO₄ 0.22 gm
- NaCl 8.55 gm
- BSA 10.0 gm
- DI/dH₂O Q.S. to 1 liter

* 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):

- 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.