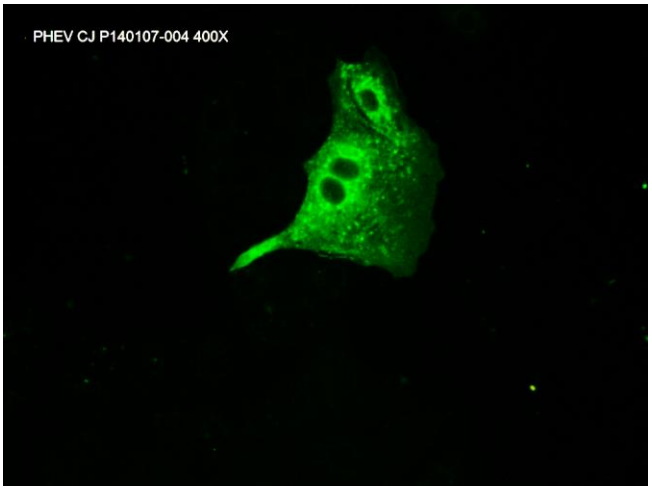
Veterinary Medical
Research & Development

CERTIFICATE OF ANALYSIS

Porcine Hemagglutinating Encephalomyelitis Virus (PHEV)

FITC Conjugate

Catalog No.:	CJ-F-PHEV-10ML
Volume:	10 ml
Lot:	P140107-004
Expiration:	01 November 2021
Agent:	Porcine Hemagglutinating Encephalomyelitis Virus (PHEV)
Strain:	NA



Description:

PHEV polyclonal antiserum conjugated to fluorescein isothiocyanate (FITC). Porcine origin. Ready to use. Liquid.

Quality Control Method:

Direct FA using PHEV 12-well slide (in house).

Specific Reaction: 1-3+ signal at neat with no background. The diluent control was negative with no background.

Other Comments: The raw material has also been screened by Indirect FA and does not react with porcine adenovirus (PAV), porcine circovirus type 1 and 2 (PCV-1 and 2), porcine parvovirus (PPV), porcine reproductive and respiratory syndrome virus (PRRSV), transmissible gastroenteritis virus (TGEV), rabies Recombinant Nucleoprotein (rNP), vesicular stomatitis virus Indiana and New Jersey strains (VSV).

Pattern Of Fluorescence:

Granular cytoplasmic and membrane fluorescence on individual cells and some syncytia.

Intended Use:

Useful for the detection of PHEV in animal 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

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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 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. 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 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 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. FAMF-10ML) and view with good quality fluorescence microscope at 100X-250X. Confirmation may be at 400X.

Serum Diluting Buffer (pH 7.2):*

- Na_2HPO_4……1.19 gm
- NaH_2PO_4……0.22 gm
- NaCl……8.55 gm
- BSA……10.0 gm
- DI/dH_2O……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% NaN_3 if diluted serum is not going to be used within one week.

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. MOUNTING FLUID is made by mixing glycerol and FA rinse buffer, pH 9.0, in equal proportions.