



Bio-X Diagnostics

ANTI-BVDV (PEST) MONOCLONAL ANTIBODY LABELLED WITH FLUORESCCEIN ISOTHIOCYANATE (BIO 316)

(Reagent for direct immunofluorescence)

REAGENT FOR DETECTION OF BOVINE VIRUS DIARRHEA ON TISSUE SECTION OR CELL CULTURE

I - PROCEDURE

Fix the cell preparation (cell cultures or tissue sections) for 15 minutes at 21°C +/- 3°C with one of the following fixators :

- Paraformaldehyde 2 % in PBS
- Acetone solution (9 volumes of acetone and 1 volume of water).

Rince with PBS.

Dilute the conjugate twentyfold with a PBS-Evans blue solution made up according to the following formula:

PBS - Blue Evans

NaCl:	8 gr
KH ₂ PO ₄ :	0.2 gr
KCl:	0.2 gr
Na ₂ HPO ₄ · 2H ₂ O:	1.15 gr
Blue Evans:	0.01 gr
NaN ₃ :	0.1 gr
H ₂ O	1 L

Incubate the sample with the fluorescein-labelled conjugate for 1 hour at 21°C +/- 3°C. At the end of this incubation period rinse the cell preparation with a PBS solution. Dry the cell preparation, then add the mounting medium prepared as follows:

Mounting medium

Glycerol	9 volumes
PBS	1 volume

Examine the cell preparation under a microscope equipped for detecting fluorescence.

II – STORING THE CONJUGATE

The conjugate must be stored between + 2°C and + 8°C. It must never be frozen. It will keep at least 1 year between + 2°C and + 8°C.