FMD NSP Ab

Foot and mouth disease virus antibody

Foot-and-mouth disease (FMD) is a highly contagious viral infection primarily of cloven-hoofed domestic animals, such as cattle, pigs, sheep, goats, deer, and water buffalo. In many countries the disease is controlled by vaccinations that consist of (partly) purified structural proteins (SP) of the FMD virus, and therefore vaccinated animals only elicit antibodies directed against the structural proteins. Non structural protein (NSP) is expressed only by replicating viruses, and inactivated vaccines are purified to remove the cellular proteins and NSP. Therefore, only animals that have been infected with wild type develop antibodies against NSP. It is important to differentiate SP and NSP antibodies in countries that use vaccination to control FMDV outbreaks to discriminate wild type infections and immune response to vaccination.

Indications

- To discriminate between infection and vaccination
- For field diagnosis of FMD in non-vaccinated herds
- Tentative diagnosis for swift control in outbreak suspected situation

Special Features

- No cross reaction with vaccinated group
- Specimens: Blood, Plasma, Serum
- Applicable to all artiodactyl mammals (Cattle, Sheep, Goat, Pig)
- Sensitivity: 95.4% vs. Commercial ELISA
- Specificity: 98.5% vs. Commercial ELISA

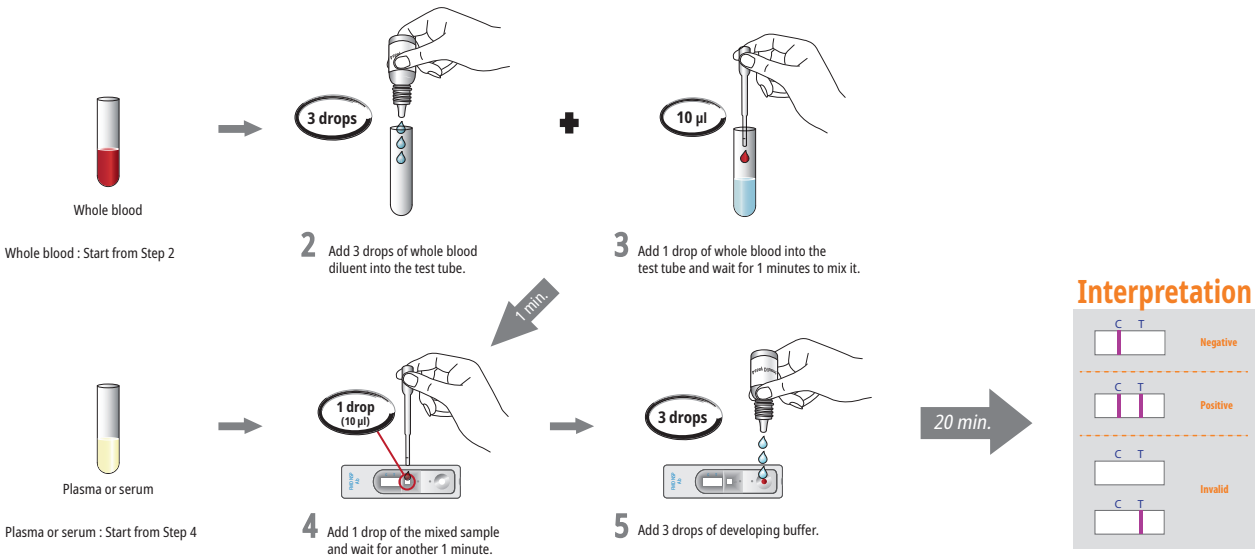
Sensitivity and Specificity tests

Bovine		FMD NSP Ab ELISA	
		+	-
Anigen Rapid FMD NSP Ab	+	270	2
	-	13	22

Porcine		FMD NSP Ab ELISA	
		+	-
Anigen Rapid FMD NSP Ab	+	20	6
	-	1	575

* Sensitivity : 95.4%, Specificity : 98.5%

Test Procedures



Ordering Information

Cat. No.	Description	Type	Packing size
RB2802DD	Rapid FMD NSP Ab	Device	1 Test x 10/Kit