



Recipients: All sectors, customers of the Diagnostic Service
Sender: Molecular Diagnostic Laboratory
Date: 2019-10-29
Objet: Minimum load required for sequences analysis

Dear customers,

In order to guarantee a result following a request for traditional Sanger sequencing, the Molecular Diagnostic Laboratory of the Diagnostic Service has established minimum viral load chart. The following table presents the recommendations according to the fragment to be amplified then to be sequenced and of the laboratory which reported the presence of the pathogen by PCR.

Pathogene	Sequenced fragment	Minimum viral load recommended
Swine		
PRRSV	ORF5	SD-FMV 3E+06 CG/gr (tissues) 3E+05 CG/ml (oral fluids,serum) External laboratories Ct 30
Influenza	HA	All laboratories Ct 30
Poultry		
IBDV	VP2	All laboratories Ct 30
IBV	S1	
ILTV	ICP4 and UL47/gG	
Reovirus	S1	

Pre-sequencing amplification may be attempted on samples with lower loads than recommended but if those assays are inconclusive, they will henceforth be billed at the corresponding PCR detection price. Note that in Ct value, the loads are inversely proportional. Thus a sample with a Ct value of 33 contains a smaller pathogen load than a sample with a Ct value of 30.

Do not hesitate to contact us for any question.

Regards,

Véronique Allard
Technical and Customer Service Manager

Diagnostic Service
Faculty of Veterinary medicine
Université de Montréal
veronique.allard@umontreal.ca
450-773-8521 ext. 8670

Customer Service

Phone: 450-778-8151 (direct line)
450-773-8521 ext. 8243
Fax: 450-778-8107
service-diagnostic@medvet.umontreal.ca
www.servicedediagnostic.com