



## VIROTYPE<sup>®</sup> CSFV

REAL-TIME RT-PCR TEST KIT FOR RELIABLY TESTING FOR CLASSICAL SWINE FEVER VIRUS IN BLOOD AND TISSUE SAMPLES FROM DOMESTIC SWINE AND WILD BOARS

Classical Swine Fever Virus (CSFV) is the causative agent of Classical Swine Fever (CSF), one of the most economically-damaging pandemic viral diseases of domestic swine and wild boars worldwide. CSFV is a single-stranded RNA virus and a member of the genus Pestivirus.

VIROTYPE<sup>®</sup> CSFV real-time RT-PCR test kit by LDL enables reliably testing for Classical Swine Fever Virus in individual as well as in pooled blood or tissue samples.

Any questions? Give us a call: +49 341/12454 26 or send an e-mail to [info@lab-leipzig.de](mailto:info@lab-leipzig.de)

### VIROTYPE<sup>®</sup> CSFV product advantages at a glance:

- Detects all known CSFV-strains
- No cross-reactions with other pestiviruses
- Single-tube/one-step procedure
- Easy to use: Simply add sample RNA directly to VIROTYPE<sup>®</sup> CSFV mix and start cyclor
- Internal control of sample extraction and amplification included
- Reliable test results in less than two hours
- Test can also be performed together with VIROTYPE<sup>®</sup> BVDV and VIROTYPE<sup>®</sup> BTV in one cyclor run
- Compatible with all TaqMan<sup>®</sup> systems
- Available in three different package sizes
- Approved by *Friedrich-Loeffler-Institute (FLI)* for pools with up to 20 samples



## Analytical specificity

Pestivirus RNA samples	Origin	VIROTYPE® CSFV Ct FAM
BDV	Moredun	neactive
BDV	Rudolph	negative
BDV	Gifhorn	negative
BDV	Isard	negative
BVDV-1	NADL	negative
BVDV-1	Paplitz	negative
BVDV-1	PI809	negative
BVDV-1	NC3807-1251/1	negative
BVDV-1	Egbert	negative
BVDV-1	BO806-17	negative
BVDV-1	BO807-3	negative
BVDV-1	NC3807-8757	negative
BVDV-2	8644	negative
BVDV-2	Bure	negative
BVDV-2	Walter	negative
BVDV-2	PO1600	negative
Pestivirus	Hobi	negative
Pestivirus	Giraffe H138	negative

Testing non-CSFV Pestiviruses (Epizone panel<sup>1</sup>) with VIROTYPE® CSFV. **Result:** No cross reactivity was observed with these samples.

## Analytical sensitivity

RNA samples of the Epizone panel were tested with VIROTYPE® CSFV and the CSF-1 in-house method<sup>2</sup>. **Result:** The mean Ct value obtained by VIROTYPE® CSFV of all strains was 28.46. CSF-1 in-house RT-PCR yielded a mean Ct-value of 31.18.<sup>3</sup>

Strain	Genotype	VIROTYPE® CSFV Ct FAM	CSF-1 Ct FAM
C strain	1.1	27.45	31.21
Eystrup91	1.1	29.94	32.01
Alfort187	1.1	28.89	32.03
Koslov1128	1.2	27.98	31.64
Brescia	1.2	29.35	32.94
Schweiz II	2.1	29.34	31.07
Pader	2.1	29.66	30.94
Bergen	2.2	29.97	34.46
D4886/82/Ro	2.2	28.69	30.84
Uelzen	2.3	27.16	29.16
Spante	2.3	28.42	29.54
Congenital Tremor	3.1	25.90	28.85
Kanagawa	3.4	27.25	30.65
Mean		28.46	31.18
SD		1.25	1.53

<sup>1</sup> Samples kindly provided by Dr. Hoffmann, Friedrich-Loeffler-Institute, Island Riems | <sup>2</sup> Hoffmann et al., 2005 | <sup>3</sup> Stratagene Mx3000P; mean Ct values of CSFV-FAM signal, threshold 1000 | For further information please visit [www.lab-leipzig.de](http://www.lab-leipzig.de). Ask for our data package.

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VIROTYPE® CSFV Real-time RT-PCR test kit (FLI-B 517)		
PCR test kit with	25 reactions	Cat. Nr. 05-201/25
PCR test kit with	96 reactions	Cat. Nr. 05-201/96
PCR test kit with	480 reactions	Cat. Nr. 05-201/480

