



virotype BVDV Test System

Benefit from over 10 years of experience in BVDV diagnostics!

Utilized in testing millions of calves annually, veterinary diagnosticians rely on INDICAL's molecular workflows for Bovine Viral Diarrhea Virus (BVDV) control.



virotype BVDV RT-PCR Kit

- **Enables safe identification** of RNA from (BVDV) genotypes 1 and 2 (BVDV-1, BVDV-2) and atypical pestivirus strains (HoBi-like, BVDV-3)
- **Certified** in Germany (since 2007), Switzerland, France, Belgium, Czech Republic
- **Highly relied upon BVD control programmes** across Europe (e.g. Germany, Ireland, Belgium, UK)
- **Easy-to-use, ready-to-use** reagents containing controls to exclude the possibility of false negative results
- Multiple validated sample types (blood, plasma, serum, milk, and ear tissue) from cattle
- **Suitable for pools* of:**

25

Ear tissue

50

Blood
Plasma
Serum

100

Milk



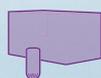
virotype Tissue Lysis Reagent

- Lysis buffer for fast preparation of RNA from ear tissue samples to be analyzed easily and inexpensively



IndiSpin Pathogen Kits

- For manual and automated spin column/silica membrane based isolation of BVDV-RNA



IndiMag Pathogen Kits

- For automated, magnetic bead based isolation of BVDV-RNA using KingFisher and similar platforms or the IndiMag 48

* The high sensitivity of the virotype BVDV RT-PCR Kit permits blood samples (whole blood, plasma, serum) to be tested in pools consisting of up to 50 individual samples, ear tissue samples in pools of up to 25 individual samples, and milk in pools of up to 100 individual samples. Pool recommendations and regulations may vary between countries.

virotype BVDV – references

1. Maes R, Bronson-Doherty P, Chumbley M, Herrmann DC, Wise A, Kull-Mason S, Miller V, Schroeder C (2017): **Detection of Bovine Viral Diarrhea (BVD) Virus in Ear Skin Tissue Samples: Evaluation of a Combination of QIAGEN MagAttract 96 cador Pathogen Extraction and virotype BVDV RT-PCR-based Amplification**, 16th Annual Meeting of the Canadian Animal Health Laboratorians Network (CAHLN), June 4-7, 2017, University of Guelph, Guelph, ON, Canada
2. Bauermann FV, Falkenberg SM, Vander Ley B, Decaro N, Brodersen BW, Harmon A, Hessman B, Flores EF, Ridpath JF (2014): **Generation of Calves Persistently Infected with HoBi-Like Pestivirus and Comparison of Methods for Detection of These Persistent Infections**, Journal of Clinical Microbiology, Volume 52 No. 11 p. 3845–3852
3. Hoffman B, Depner K, Schirmer H, and Beer, M (2006): **A universal heterologous internal control system for duplex real-time RT-PCR assays used in a detection system for pestiviruses**. J. of Virological Methods, Volume 136, Issues 1–2, pp.200–209.
4. Fux, R., and Wolf, G. (2012): **Transient elimination of circulating bovine viral diarrhoea virus by colostral antibodies in persistently infected calves: a pitfall for BVDV-eradication programs?** Veterinary Microbiology 161 13–19.



Order information

Product	Short description	Cat. no. (number of PCR reactions)		
		S	M	L
virotype BVDV RT-PCR Kit [†]	Real-time RT-PCR assay for identification of RNA from Bovine Virus Diarrhea Virus (BVDV)	VT280373 (24)	VT280375 (96)	VT280377 (480)

[†]Product availability/distribution: Outside the U.S. and Canada

A perfect match: Best results when combined with our virotype Tissue Lysis Reagent or extraction kits for BVDV-RNA isolation, suitable for high- and low-throughput testing.

Product	Short description	Cat. no. (number of PCR reactions)		
		S	M	L
virotype Tissue Lysis Reagent	For fast lysis of various sample types (e.g. bovine ear tissue samples, tracheal swabs)		SP289992 (100 ml)	SP289993 (250 ml)
IndiSpin Pathogen Kit (Formerly QIAamp cador Pathogen Mini Kit)	For isolation of viral RNA/DNA and bacterial DNA (Spin column)	SP54104 (50)	SP54106 (250)	
IndiSpin QIACube HT Pathogen Kit (Formerly: cador Pathogen 96 QIACube HT Kit)	For automated high-throughput isolation of viral RNA/DNA and bacterial DNA (Spin column)			SP54161 (480)
IndiMag Pathogen Kit (Formerly: MagAttract 96 cador Pathogen Kit)	For automated isolation of viral RNA/DNA and bacterial DNA (Magnetic bead)			SP947457 (384)
IndiMag Pathogen Kit w/o plastics (Formerly: MagAttract 96 cador Pathogen Kit w/o Plastics)	For automated isolation of viral RNA/DNA and bacterial DNA e.g. on IndiMag 48 (Magnetic bead)			SP947257 (384)
IndiMag 48	Instrument for automated magnetic bead-based extraction of nucleic acids		IN942048	

Learn more: www.indical.com

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