

virotype BVDV 2.0 workflow

Veterinary diagnosticians worldwide rely on INDICAL's molecular solutions for *Bovine Viral Diarrhea Virus* (BVDV) control, using it to test millions of calves annually. Building upon 15 years of experience, we have developed the virotype BVDV 2.0 RT-PCR Kit (FLI-C 112) with increased ease of use and enhanced protocols.



IndiMag 2

- The benchtop powerhouse for automated nucleic acid extraction



IndiMag prefilled cartridges

- For flexible, automated, magnetic bead-based extraction and purification of BVDV-RNA using 96-well plate platforms or the IndiMag 48s/IndiMag 2



virotype Tissue Lysis Reagent

- Lysis buffer for fast, convenient and inexpensive preparation of RNA from ear tissue samples



virotype BVDV 2.0 RT-PCR Kit

- **Faster time to result**
RT-qPCR runtime of ~1 hour*
- **Gold standard sensitivity and specificity**
Next-generation triplex real-time RT-PCR assay for reliable identification of all known BVDV genotypes
- **Additional internal controls for greater confidence**
Endogenous Internal Control (β -actin) and Exogenous Internal Control
- **Increased ease of use**
Ready-to-use reagents including a single reaction mix, saving precious lab time
- **Multiple validated sample types**
Blood, plasma, serum, tissue, milk, and ear tissue from cattle
- **Extended pooling options:****

25

Ear tissue

100

Blood, plasma,
serum, milk

* See virotype BVDV 2.0 RT-PCR Kit Handbook for detailed information.

** The high sensitivity of the virotype BVDV 2.0 RT-PCR Kit permits blood samples (whole blood, plasma, serum) and milk samples to be tested in pools consisting of up to 100 individual samples, and ear tissue samples in pools of up to 25 individual samples. Pool recommendations and regulations may vary between countries.

Test with our best – virotype BVDV 2.0 RT-PCR Kit

BVDV RNA can be reliably detected with the virotype BVDV 2.0 RT-PCR Kit in pools of up to 100 serum and blood samples.

BVDV-FAM: Ct values					BVDV-FAM: Ct values				
Sample number	Sample material	Individual sample	Pools of 50	Pools of 100	Sample number	Sample material	Individual sample	Pools of 50	Pools of 100
01	Serum	21.14	27.98	29.51	14	Serum	24.16	30.06	30.87
02	Serum	27.29	34.89	35.34	15	Serum	26.11	32.70	33.53
03	Serum	20.40	26.75	27.85	16	Serum	29.03	33.13	33.98
04	Serum	26.99	33.45	34.40	18	Serum	24.35	30.17	31.16
05	Serum	24.06	30.70	30.02	10	Fetal calf serum	33.26	38.34	39.25
06	Serum	30.78	35.40	36.27	7	EDTA blood	22.96	26.33	28.60
08	Serum	24.18	30.58	32.43	12	EDTA blood	20.66	27.12	28.18
09	Serum	28.06	32.31	33.77	13	EDTA blood	19.84	26.33	27.47
11	Serum	24.82	29.67	30.72	17	EDTA blood	21.31	26.03	27.22

Table: Pools of 50 and 100 were generated by diluting BVDV-positive serum and EDTA blood samples in BVDV-negative bovine serum and extracted using the IndiMag Pathogen IM48 Cartridge.

Ordering information

Product	Short description	Cat. no. (number of reactions/preps)
virotype BVDV 2.0 RT-PCR Kit [‡]	Real-time RT-PCR assay for identification of RNA from <i>Bovine Viral Diarrhea Virus</i> (BVDV).	VT280385 (100) VT280387 (500)
A perfect match: Get the best results in downstream testing with our solutions for nucleic acid extraction		
IndiMag 2 (110–240 V)	User-friendly, versatile benchtop instrument for automated magnetic bead-based nucleic acid isolation of up to 48 samples simultaneously	IN950048
IndiMag Pathogen IM2 Cartridge	Prefilled reagent cartridges (32-well blocks), lysis strips and elution strips for automated isolation of viral RNA/DNA and bacterial DNA based on magnetic bead technology. Including rod covers. For use with IndiMag 2.	SP957654C608 (6 x 8)
IndiMag Pathogen IM48 Cartridge	Prefilled reagent cartridges for viral RNA/DNA and bacterial DNA isolation. Including rod covers. For use with IndiMag 2 (32-well blocks, processing 8 samples per run) and IndiMag 48s (32-well blocks for 8 samples and 96-well blocks for 24 samples per run).	SP947654P608 (6 x 8) SP947654P224 (2 x 24)
IndiMag Pathogen KF96 Cartridge	Prefilled reagent cartridges for automated extraction of viral RNA/DNA & bacterial DNA based on magnetic bead technology. For use with KingFisher Flex and equivalent instruments.	SP947855P196 (1 x 96)
IndiMag Pathogen Kit w/o plastics	Extraction of viral RNA/DNA and bacterial DNA based on magnetic bead technology. For use with IndiMag 48s, IndiMag 2, KingFisher Flex and equivalent magnetic bead platforms	SP947257 (384)
IndiSpin Pathogen Kit	Extraction of viral RNA/DNA and bacterial DNA based on silica membrane technology.	SP54104 (50) SP54106 (250)
virotype Tissue Lysis Reagent	Fast lysis of bovine ear tissue samples.	SP289992 (100 mL)

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

Learn more: www.indical.com | Request a quote or order online: shop.indical.com

Email us: support@indical.com | Call us: +49 341 12454 0

Connect with us on LinkedIn: www.linkedin.com/company/indical

For up-to-date licensing information and product-specific disclaimers, see the respective handbook or user manual. Assays for veterinary use only. Reagents for research use only, not for use in diagnostic procedures. Regulatory requirements vary by country, products may not be available in your geographic area. Trademarks: FAM™ (Life Technologies); KingFisher™ (Thermo Fisher Scientific); INDICAL®, IndiMag®, IndiSpin®, virotype® (INDICAL BIOSCIENCE GmbH). Registered names, trademarks, etc., used in this document, even when not specifically marked as such, are not to be considered unprotected by law. Product images may differ from the actual product. INFLY-VT-BVDV2-EN-250321 © 2025 INDICAL BIOSCIENCE

INDICAL
BIOSCIENCE

INDICAL BIOSCIENCE GmbH
Deutscher Platz 5b
04103 Leipzig, Germany

