



Labor Diagnostik
Leipzig



CATTLETYPE[®] BHV1 gB

RELIABLE SCREENING FOR INFECTIOUS BOVINE
RHINOTRACHEITIS IN SERUM, PLASMA AND MILK SAMPLES

CATTLETYPE[®] BHV1 gB Ab is an user friendly competitive ELISA for detection of antibodies to glycoprotein B of Bovine Herpesvirus 1 (BHV1) in serum, plasma and milk samples from cattle.

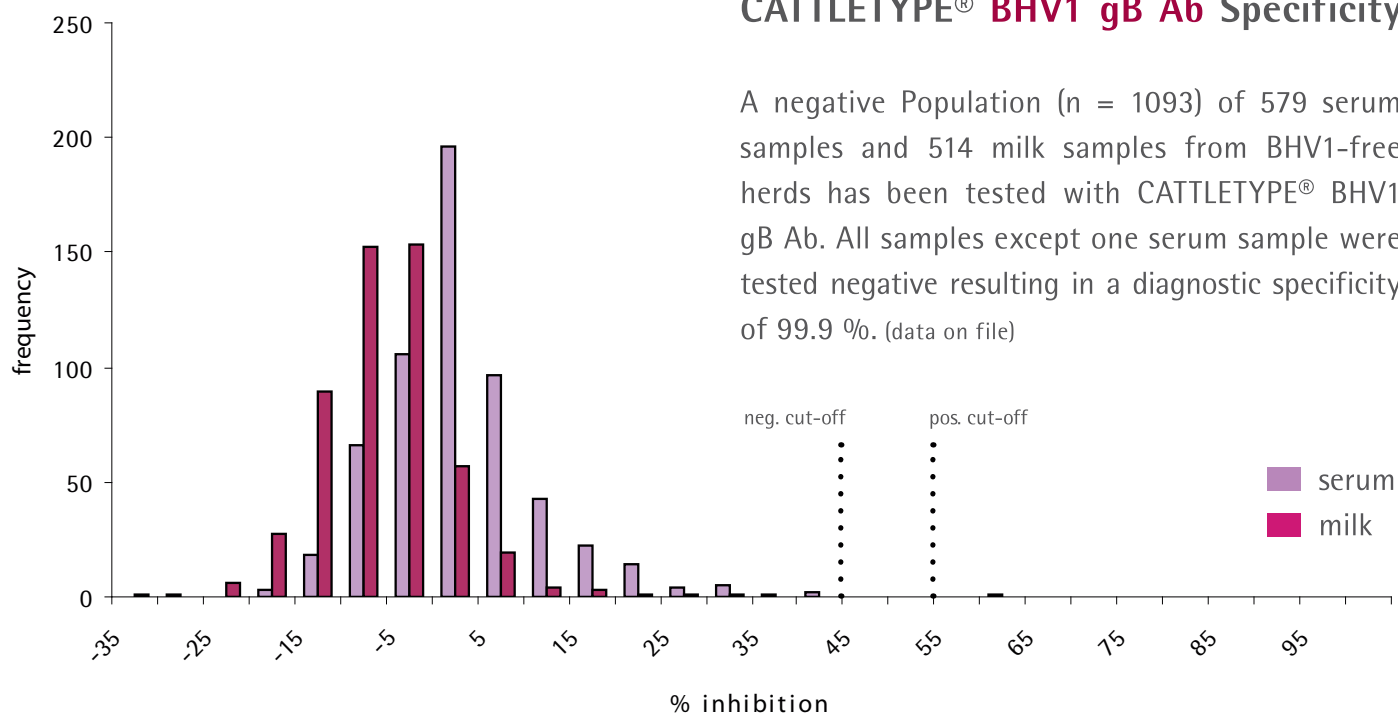
Bovine Herpesvirus 1 (BHV1) is the causative agent of Infectious Bovine Rhinotracheitis (IBR), a respiratory disease with tracheitis, rhinitis and fever. In addition BHV1 infections can cause Infectious Pustular Vulvovaginitis (IPV), balanoposthitis and abortions.

1 König P (2009) Report from the National Reference Laboratory – Evaluation of the 2008 Ring trial, 7. Stendaler Symposium zur BHV 1-, BVD-, BTV- und Paratuberkulose-Bekämpfung, 11.-13. March, p. 102
2 Engemann C et al. (2009) New opportunities in IBR diagnostics – efficient alternatives ?, 7. Stendaler Symposium zur BHV 1-, BVD-, BTV- und Paratuberkulose-Bekämpfung, 11.-13. March, p. 48

* data on file

- **Highly sensitive and specific gB blocking ELISA made in Germany**
- 100% correct results with national and international ring trial samples ^{1,2}
- Specificity > 99,9%*
- All reagents colored and ready-to-use
- Easy to automate
- User friendly test protocol (< 3,5 hours)
- Over night test protocol available
- Choose from 5 (strips) and 20 plate format
- High sensitivity on bulk milk samples prepared with CATTLETYPE[®] Milk Prep Kit by LDL – Labor Diagnostik Leipzig
- Approved by *Federal veterinary office* (BVET) in Switzerland
- Approved by *Friedrich-Loeffler-Institute* (FLI) in Germany

CATTLETYPE® BHV1 gB Ab Specificity



CATTLETYPE® BHV1 gB Ab Sensitivity: OIE Reference-Panel

2h sample incubation protocol

Sample set A	Reference status	PI	CATTLETYPE® BHV1 gB Ab
EU1	positive	90,7%	positive
EU2	weak positive	75,6%	positive
EU3	negative	0,3%	negative

Sample set	Status	n	CATTLETYPE® BHV1 gB Ab				
			positive	negative	correct	MW PI	s
B	Infected	12	12	-	100%	89,9%	0,043
C	Vaccinated	9	9	-	100%	97,5%	0,087
D	Vaccinated and challenged	6	6	-	100%	92,1%	0,004
G	Non-infected	7	-	7	100%	8,7%	0,047
	BHV5	1	1	-	100%	85,8%	-

CATTLETYPE® BHV1 gB Ab clearly detects the weak positive EU2 standard serum. European ring trial samples described by Kramps JA et al. (Vet Microbiol. 2004, 102, 169-181) are scored 100% correct.

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CATTLETYPE® BHV1 gB Ab (FLI-B 491)

ELISA Kit with	5 Plates (strips)	Part-Nr. 03-101/5
ELISA Kit with	20 Plates	Part-Nr. 03-101/20

