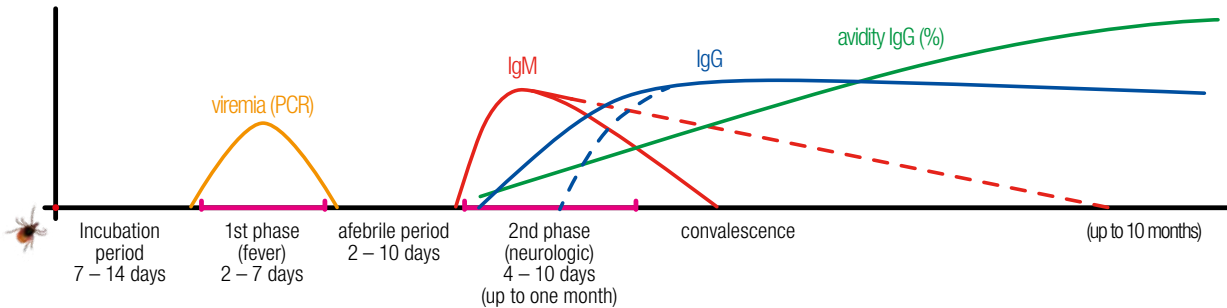


Tick borne encephalitis virus – TBEV

ELISA-VIDITEST anti-TBEV kits are intended for diagnosis of the infection caused by Tick borne encephalitis virus (TBEV), e.g. encephalitis or meningoencephalitis. Kits can be also used for differential diagnosis of neuroinfections and follow-up of the protective antibody titres in immunized persons.

Dynamics of the diagnostic markers



ELISA-VIDITEST



REF	Product	Method	Evaluation	Wells	Sample	Sensitivity/Specificity
ODZ-192	anti-TBEV IgG	ELISA	semiquant.	96	serum, cerebrospinal fluid	98.1% / 100%
ODZ-170	anti-TBEV IgG and IgG avidity	ELISA	semiquant.	96	serum	98.5% / 100%
ODZ-194	anti-TBEV IgM	ELISA	semiquant.	96	serum, cerebrospinal fluid	100% / 97.9%

Why using ELISA-VIDITEST anti-TBEV:

- › Determination of IgG and IgM in serum/plasma and cerebrospinal fluid
- › Software for quantitative data processing in Vienna units included
- › Only one sample dilution process due to the same dilution buffer for different versions
- › Anti-TBEV IgG avidity determination
- › Ready to use HRP conjugate and controls
- › Compatible with VIDIMAT
- › Incubation times 30'/30'/15'



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Multiplex assays

Lyme disease + Tick borne encephalitis

LIA-VIDITEST Multiplex *Borrelia* and TBEV IgG and IgM kits are line-immunoassay kits, which are intended for the simultaneous detection of antibodies to *Borrelia*s and Tick borne encephalitis virus. The kits contain strips, on which are coated specific *Borrelia* recombinant antigens and native antigens from Tick Borne encephalitis virus.

IgG	
IgM conjugate control	negative control
IgG conjugate control	positive control
cut-off control	cut-off control
BOR-BmpA (p39) (Borrelia membrane protein A)	membrane protein A, glycosaminopeptide receptor, mixture of antigens BmpA <i>B.afzelii</i> , <i>garii</i> a <i>burgdorferi sensu stricto</i> , late antigen for IgM and IgG antibody response, stage of infection II. - III.
BOR-DbpA (Osp17, p17) (decorin- binding protein A)	decorin- binding host cell protein, mixture of antigens DbpA <i>B.afzelii</i> , <i>garii</i> a <i>burgdorferi sensu stricto</i> , early and late antigen, highly specific for IgM and IgG antibody response, stage of infection II. and III.
BOR-p83	major extracellular protein (degradation product of p100), mixture of antigens p83 <i>B.afzelii</i> , <i>garii</i> a <i>burgdorferi sensu stricto</i> , late antigen for IgG antibody response (especially III. stage of infection), highly specific
BOR-VisE (variable major protein-like equence)	variable surface antigen, species conserved antigen, especially late antigen (II. a III. stage of infection), highly specific for IgG antibody response, <i>Borrelia</i> expresses VisE antigen only in the host organism
TBEV	native Tick born encephalitis virus antigen (viral particles)



IgM	
IgM conjugatove control	positive control
IgG conjugatove control	negative control
cut-off control	cut-off control
BOR-OspC (p25) (outer surface protein C)	outer surface protein C, mixture of antigens OspC <i>B.afzelii</i> , <i>garii</i> and <i>burgdorferi sensu stricto</i> , IgM marker, major early antigen (stage of infection I., rarely II.)
BOR-FlaB (p41) (Flagellin B)	Flagellin (internal fragment), outer surface flagella protein, mixture of antigens FlaB <i>B.afzelii</i> , <i>garii</i> a <i>burgdorferi sensu stricto</i> , early antigen for the IgM antibody response (stage of infection I.), may be non-specific (cross-reactivity with other spirochetes and flagellated bacteria)
BOR-OspA (p31), (outer surface protein A)	Mixture of antigens OspA <i>B.afzelii</i> and <i>garii</i> , outer surface membrane lipoprotein, early antigen for the IgM antibody response
TBEV	native Tick born encephalitis virus antigen (viral particles)

REF	Product	No. of tests	Sample
ODZ-396	LIA-VIDITEST Multiplex <i>Borrelia</i> and TBEV IgG	16	serum, plasma, cerebrospinal fluid, synovial fluid
ODZ-397	LIA-VIDITEST Multiplex <i>Borrelia</i> , and TBEV IgM	16	serum, plasma, cerebrospinal fluid, synovial fluid