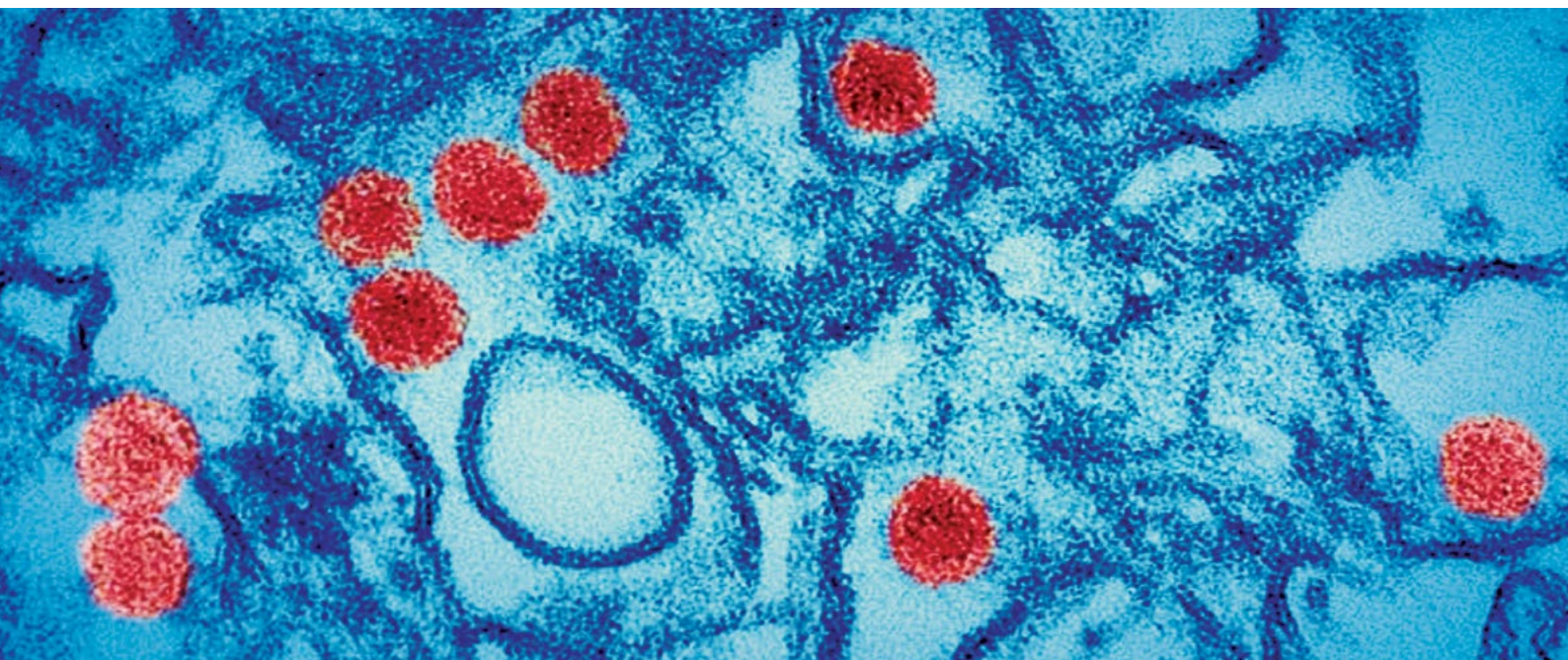


# MONO-VIDITEST TICK-BORNE ENCEPHALITIS VIRUS – TBEV



## VIDIA unique immunoenzymatic kits

- intended for semiquantitative determination of specific antibodies IgG and IgM against TBEV and avidity IgG antibodies determination.
- intended for quantitative determination of specific IgG antibodies against TBEV and calculation of intrathecal synthesis.

**... the way to  
the correct  
results**



**IgM  
ANTIBODY RESPONSE**

a proof of ongoing and recent active infection



**IgG  
ANTIBODY RESPONSE**

a proof of later phase of active and undergone infection

### Serological diagnostics

is a basic prerequisite of effective therapy. A proof of infection, especially encephalitis (TBE) and meningoencephalitis, induced by the Tick-borne encephalitis virus (TBEV) is based on the determination of the concentration of specific antibodies using ELISA method. The serological report is to be interpreted only in context with the clinical picture of the patient.

### Benefity souprav

- Cassette single-use format
- Semiquantitative evaluation of IgG and IgM antibodies
- Quantitative evaluation of IgG in Au/ml (VIEU/ml)
- Detection of post-infection and post-vaccine antibodies
- Determination of intrathecal synthesis of IgG antibodies



### MONO-VIDITEST

**Kits come from our own research, development and production.**

We are VIDIA spol. s r. o. Czech biotechnological company with a wide range of kits for diagnostic examination. We develop our products with high quality.

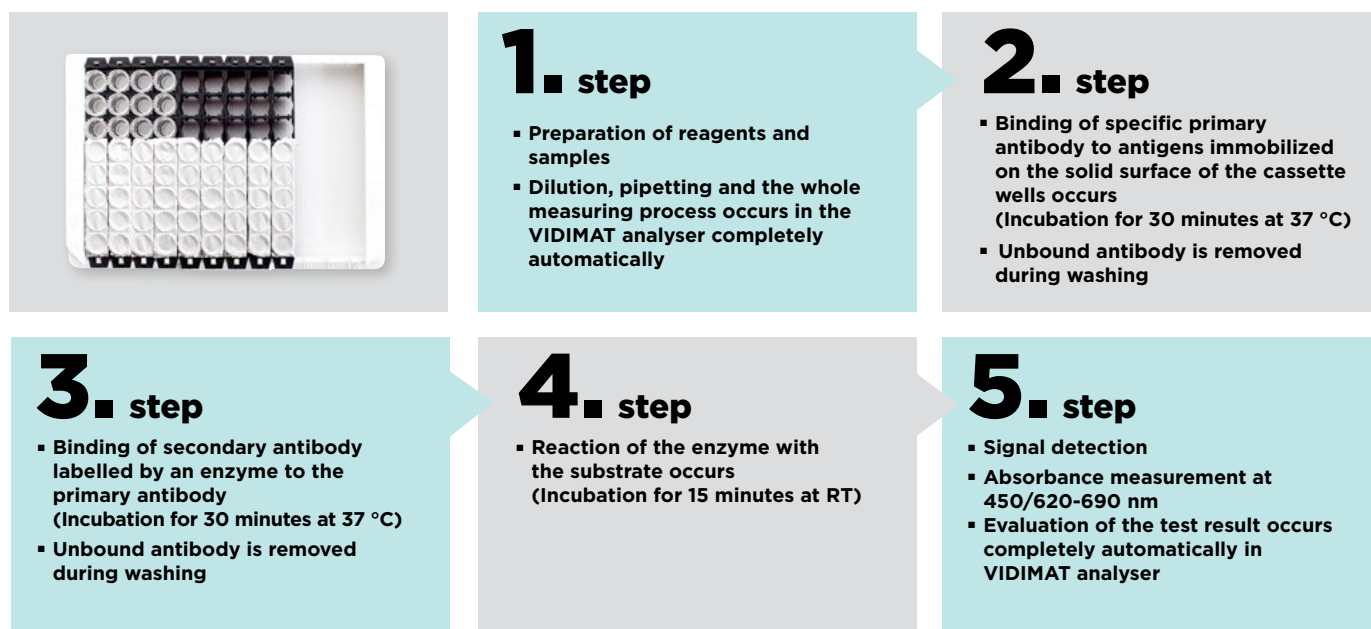
# MONO-VIDITEST

## Tick-borne encephalitis virus – TBEV

MONO-VIDITEST kits present an innovative solution of ELISA-VIDITEST assays in cassette system format. They are a unique tool in Tick-borne encephalitis (TBE) diagnostics, enabling examination of the patient as individual sample. This benefit leads to a faster result and savings in material and personal costs of the medical facility. Clinical analyses are processed completely automatically in our VIDIMAT analyser. Therefore, this is a simple and complex solution of the automatization in infectious serology. They are used in monitoring of antibody response after vaccination.

The basis of the diagnostics of neuroinfections caused by TBEV is the determination of intrathecal synthesis of specific antibodies. As a proof, Reiber's formula describing a relationship between Q albumin and Q of the respective antibody is used. The concentrations of the particular antibodies in the serum and cerebrospinal fluid are determined with the so-called antibody index (AI) which states, whether a specific antibody concentration is the same as the total non-specific ones, or whether it is higher. For calculation of intrathecal synthesis we offer VIDISOFT 2 software or E-Calculator.

### Test principle and procedure step by step



### Benefits of the measurement

- Semiquantitative determination of IgG and IgM antibodies in serum, plasma and cerebrospinal fluid
- Quantification of IgG Au/ml (VIEU/ml) using VIDISOFT 2
- Reagents are part of the cassette
- Calculation of intrathecal synthesis of IgG antibodies using VIDISOFT2 software or E-calculator
- Determination of avidity of IgG antibodies
- High sensitivity of the kits
- More comfortable usage for one or more samples at once
- Unified incubation times, temperatures, reagents for all ELISA-VIDITEST and MONO-VIDITEST



### Our kits



REF	Products
KZ-310-12	MONO-VIDITEST anti-TBEV IgG
KZ-313-12	MONO-VIDITEST anti-TBEV IgG avidity
KZ-311-12	MONO-VIDITEST anti-TBEV IgM

