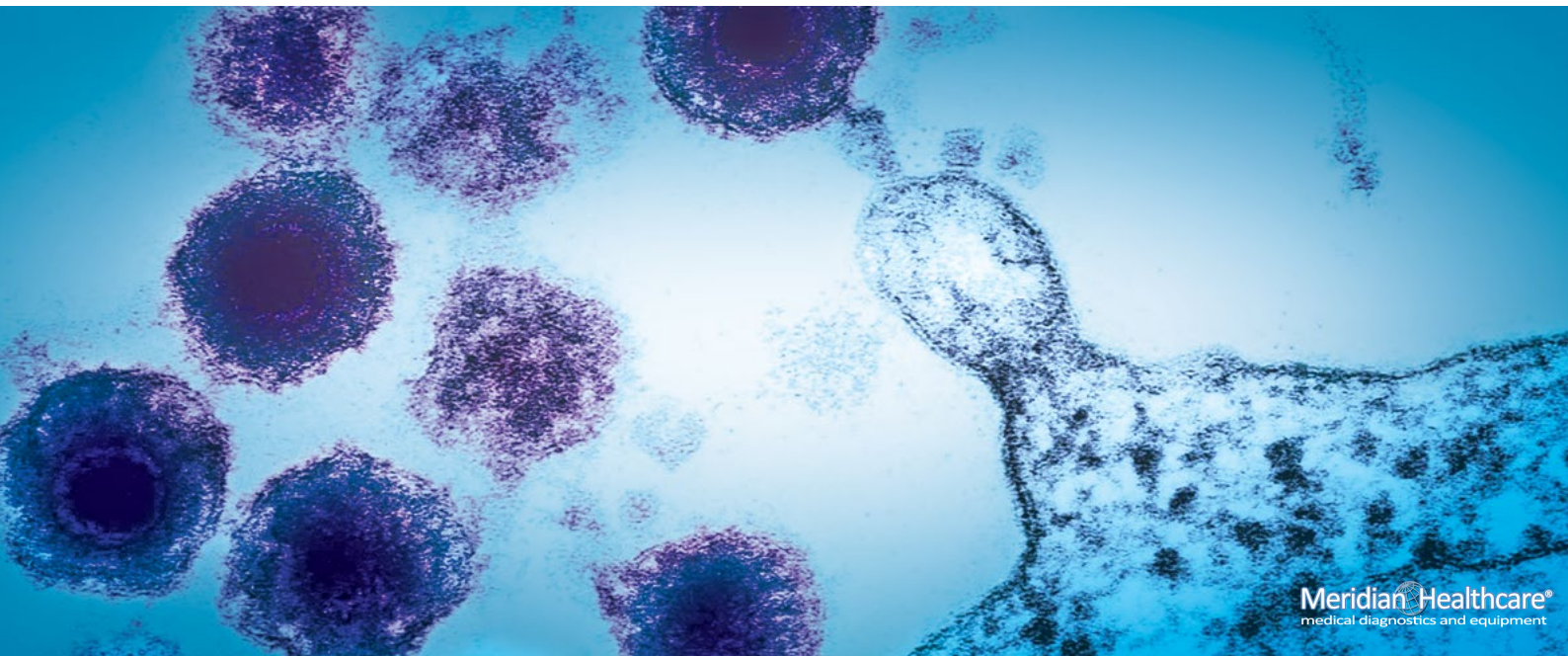


ELISA-VIDITEST

Human herpesvirus 6



Meridian Healthcare®
medical diagnostics and equipment

VIDIA unique immunoenzymatic kits

- intended for the semiquantitative detection of specific IgG and IgM antibodies against HHV-6 in human serum.
- intended for the quantitative and semiquantitative detection of specific IgG antibodies against HHV-6 in human serum and for the determination of intrathecal synthesis.

...the way
to the correct
results



IgM
ANTIBODY RESPONSE

evidence for ongoing and recent
active infection



IgG
ANTIBODY RESPONSE

evidence for later stage active
and past infections

Serological diagnostics

is a basic assumption for effective therapy. Identification of diseases caused by or related to HHV-6 is based on the determination of the titre of specific antibodies by ELISA. The serology can only be interpreted in the context of the patient's clinical picture.

Benefits of kits

- Quantitative / Semiquantitative evaluation of IgG antibodies in human serum and cerebrospinal fluid
- Semiquantitative evaluation of IgM antibodies in serum
- Calculation of intrathecal synthesis of IgG antibodies
- Unified incubation times, temperatures and reagents



ELISA-VIDITEST

**The kits are coming
from own research,
development and
production.**

We are VIDIA spol. s. r. o.,
a Czech biotechnology company
with a wide range of kits for
diagnostic examinations. Our
products are developed with
high quality.

ELISA-VIDITEST

Human herpesvirus 6

ELISA method (Enzyme-Linked Immunosorbent Assay) is one of the most widely used immunochemical methods enabling indirect diagnostics of the acute herpetic infections. It is based on demonstration of the production of specific antibodies in the IgG and IgM classes, which our organism creates during an immune response as a reaction to an antigen. Assay is a solid-phase immunoanalytical test in a 96-well microplate. ELISA - VIDITEST anti-HHV-6 IgG (CSF) is also intended for the calculation of intrathecal synthesis anti-HHV-6 IgG antibodies in cerebrospinal fluid.

The basis of the diagnosis of herpetic neuroinfections is determination of intrathecal synthesis of IgG antibodies, a major marker of HHV-6 activity in the CNS. The Reiber's equation is used to prove it, that describe the relationship between Q albumin and Q appropriate antibodies. The concentration of individual specific antibodies in serum and cerebrospinal fluid are determined by the so-called antibody index (AI). **We offer software VIDISOFT 2 and E - Calculator for completely automatic quantification and calculation of intrathecal synthesis.**

Principle of the test and procedure in steps



1. step

- Preparation of reagents and samples
- Dilution, pipetting and the whole measurement process takes place completely automatically in the VIDIMAT analyser

2. step

- Dispense of 100 µl of controls and diluted samples into the wells
- The primary antibody binds to the antigens on the solid surface of the wells
- Incubation for 60 minutes at RT
- Aspirate and wash of the wells with 4 x 250 ml wash solution

3. step

- Pipetting of 100 µl peroxidase conjugate
- The enzyme-labeled secondary antibody binds to the primary antibody during incubation
- Incubation for 60 minutes at RT
- Aspirate and wash of the wells with 4 x 250 ml wash solution

4. step

- Pipetting of 100 µl of TMB chromogen substrate solution
- The enzyme reacts with the substrate
- Incubation for 20 minutes at RT
- Pipetting of 100 µl of STOP solution

5. step

- Measurement of absorbance at 450 / 620-690 nm within 20 minutes of stopping the reaction
- The evaluation of the test result takes place completely automatically in the VIDIMAT analyser

Benefits of the measurement

- Semiquantitative determination of IgG and IgM antibodies in serum/plasma
- Quantitative determination of IgG in cerebrospinal fluid
- IgG quantification using 5 standards
- IgG quantification using 1 standard
- Calculation of intrathecal synthesis of IgG antibodies in cerebrospinal fluid by VIDISOFT2 software and E-calculator
- Color-coded reagents ready to use (r.t.u.)
- Manual or automatic test processing



VIDIMAT

We provide an accurate automatic analyser for a simple solution of automation of infectious serology in monotest and plate format.

Our products



REF

ODZ-235

ODZ-345

ODZ-344/5ST

Products

ELISA-VIDITEST anti-HHV-6 IgG

ELISA-VIDITEST anti-HHV-6 IgM

ELISA-VIDITEST anti-HHV-6 IgG (CSF)



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