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# Varizella Zosta Virus (VZV)

## adjusted to the international WHO-standard in IgG

Varicella is a common, highly communicable disease, caused by the varicella zoster virus. In the EU/EEA, antibodies to VZV are generally acquired below 10 years of age. By the time they reach young adulthood, the majority of individuals are seropositive.

The Varicella Zoster Virus may cause two different types of clinical picture:

- ▼ Primary Infection ⇔ Chicken Pox
- ▼ Reactivation ⇔ Shingles

The serological diagnostic and the CSF diagnostic are done by the detection of IgG-, IgA- and IgM antibodies.

A seropositive titer is present at > 100 IU/l according to the international standard per STIKO (Standing Committee on Vaccination, Germany)

## Advantages of the VIROTECH Diagnostics VZV ELISA

- ▼ adjusted to the international **WHO-standard in IgG** → 9VE correspond to 100 IU/l
- ▼ **High-specific results in IgM** → use of a special IgM dilution buffer
- ▼ validated for **CSF diagnostic**
- ▼ **CSF standards and Antibody-Index-Controls** available

AB-Class	Sensitivity	Specificity
IgG	99%	94%
IgM	95%	98%
IgA	>99,8%	>99,8%

Tested were sera collectives consisting of routine sera, WHO standards (IgG), proficiency test sera (IgG & IgM), blood donors sera, sera of pregnant, infants sera and other sera which were predefined analytically.

### Detection Limit:

For the determination of the detection limit the international standard of the WHO has been used in 8 different dilutions. The upper detection limit is 50 VE and the lower detection limit is 1 VE.

- Order No.:**
- |                                     |   |
|-------------------------------------|---|
| <b>EC110.00 (IgG/IgM ELISA)</b>     | <b>EC110.08 (IgA-Set)</b>                     |
| <b>EC110L60 (IgG CSF Standards)</b> | <b>EC110L80 (IgM CSF Standards)</b>           |
| <b>EC110L40 (IgA CSF Standards)</b> | <b>EN110L65 (IgG Antibody-Index-Controls)</b> |

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