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LIAISON® VZV IgG and IgM

The fully automated solution
for antibody detection

INFECTIOUS DISEASE

FOR OUTSIDE
THE US
AND CANADA ONLY

DiaSorin

The Diagnostic Specialist

Clinical background

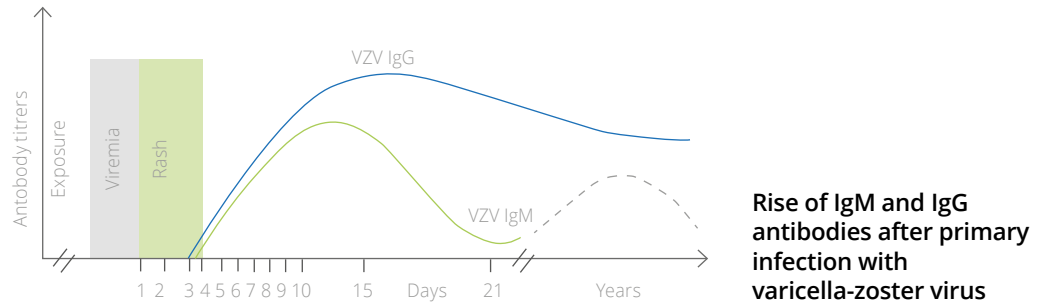
VZV infection diagnosis

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Varicella-zoster virus (VZV) is the etiological agent of varicella, also known as chickenpox, and herpes zoster, also known as shingles. Varicella is the manifestation of a primary VZV infection in patients without prior exposure, usually in childhood.

After VZV infection, the first antibody to be produced is IgM, which appears 4-5 days after the lesions and the highest titer occurs at 2 to 3.5 weeks. Chickenpox is associated with the seroconversion of IgG as well as a rise of specific IgM. IgG antibody appears approximately 5 to 10 days after rash and persists for many years. Tests for anti-VZV IgG and IgM are used to identify active infection or for determination of immune status to VZV. During pregnancy, laboratory testing is indicated when there is a negative or doubtful history of varicella following exposure to VZV, to determine the presence of an intrauterine infection, to confirm suspected congenital varicella syndrome or when neonatal infection occurs.



	LIAISON® VZV IgG	LIAISON® VZV IgM
Number of tests	100	100
Assay format	Indirect-Quantitative	Indirect-Qualitative
Method	CLIA	CLIA
Antigen type	Partially purified extract of infected cell cultures (RODn strain)	Partially purified extract of infected cell cultures (Ellen strain)
Conjugate	MoAb to human IgG conjugated to isoluminol derivative	MoAb to human IgM conjugated to isoluminol derivative
Sample type	20 µl Serum / Plasma	20 µl Serum / Plasma
Integral on board stability	8 weeks	12 weeks
Calibration stability	8 weeks	8 weeks

Performance Characteristics

LIAISON® VZV IgG

- **Diagnostic specificity: 97,1% (95% confidence interval: 90.1-99.7%)**
- **Diagnostic sensitivity: 100% (95% confidence interval: 98.8-100%)**
- **Reference to WHO Standard: calibrated against WHO International preparation W1044**

Diagnostic performance was assessed by testing 393 unselected specimens against three CE-marked reference method.

LIAISON® VZV IgM

- **Diagnostic specificity: 100% (95% confidence interval: 98.5-100%)**
- **Diagnostic sensitivity: 90.6% (95% confidence interval: 75.0- 98,0%)**

Diagnostic performance was assessed by testing 282 unselected specimens against three CE-marked reference method.

Ordering Information

LIAISON® VZV IgG	cod. 310850	LIAISON® Control VZV IgG	cod. 310851
LIAISON® VZV IgM	cod. 310860	LIAISON® Control VZV IgM	cod. 310861

LIAISON® is a registered trademark of DiaSorin

Available only on LIAISON® Systems

Product availability subject to required regulatory approval

Diasorin S.p.A

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