Seramun

SeraSpot® Anti-Borrelia IgG/IgM

Multiparameter Borrelia Diagnostics

Spot immunoassays for the qualitative detection of IgG or IgM antibodies against specific antigens of *Borrelia burgdorferi* sensu lato in human serum or plasma.

The assays combine modern microarray technology with the advantages of established automated ELISA workflows. Multiple recombinant *Borrelia*-specific antigens are printed as spots within each reaction well, enabling simultaneous antibody profiling to support the serological diagnosis of Lyme borreliosis.

Sensitive. Multiplex. Reliable.

Applications

- Lyme borreliosis serology
- Confirmatory testing
- Routine laboratory diagnostics
- High-throughput laboratory workflows

Benefits

- Multiparameter diagnostics in microtiter plate format
- Arrays with built-in controls
- Compatible with automated ELISA processors
- Time- and cost-efficient

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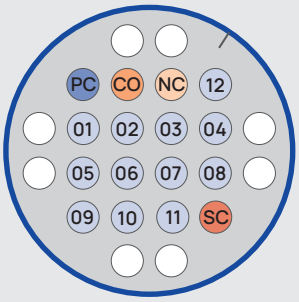
Multiparameter Borrelia Diagnostics

KEY FEATURES

- Coverage of all five clinically relevant *Borrelia* species
- Conforms to current Lyme borreliosis diagnostic guidelines
- Antigen profile optimized according to immune response dynamics
- High diagnostic accuracy across all stages of Lyme borreliosis
- OspA included in the IgG panel as a potential future vaccine marker
- Integrated recombinant VCAp18 and Tpp17 markers supporting the identification of potential cross-reactivity with EBV and *Treponema pallidum*

Product	Description	Quantity	Art. No.
SeraSpot® Anti-Borrelia IgG	Detection of IgG antibodies against *Borrelia burgdorferi* sensu lato specific antigens	1 × 48 / 1 × 96 / 10 × 96	SP-018G
SeraSpot® Anti-Borrelia IgM	Detection of IgM antibodies against *Borrelia burgdorferi* sensu lato specific antigens	1 × 48 / 1 × 96 / 10 × 96	SP-018M

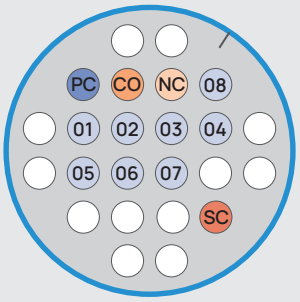
Anti-Borrelia IgG



01	VlsE Bafz	07	DbpA Bgar
02	p39 Bafz	08	DbpA Bbur
03	p58 Bgar	09	DbpA Bspi
04	p100 Bafz	10	DbpA Bbav
05	OspC mix*	11	OspA mix**
06	DbpA Bafz	12	Tpp17***

*Mixture of *B. afzelii, B. bavariensis, B. burgdorferi, B. garinii, and B. spielmanii*
** Mixture of *B. afzelii, B. burgdorferi*
****Treponema pallidum*

Anti-Borrelia IgM



01	VlsE Bafz	05	OspC Bspi
02	OspC Bafz	06	OspC Bbav
03	OspC Bgar	07	DbpA mix*
04	OspC Bbur	08	VCA p18**

* Mixture of *B. afzelii, B. bavariensis, B. burgdorferi, B. garinii and B. spielmanii*
***Epstein-Barrvirus*

Controls: PC = Positive control · CO = Cut-off control · NC = Negative control · SC = Serum control

The assays are used in combination with the Seramun SpotSight® plate mono or Seramun SpotSight® well devices for image acquisition and the Seramun SpotSight® scan software for automated image analysis and result interpretation.

Your Trusted Partner for Multiparameter Borrelia Diagnostics

pm@seramun.com www.seramun.com

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