

Datasheet: 1440-0006

Description:	NATIVE BORRELIA BURGENDORFERI
Name:	BORRELIA BURGENDORFERI
Format:	Sonicated Organisms
Product Type:	Purified Protein
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Sonicated organism suspension of <i>B. burgdorferi</i> (strain B31) - liquid
Preparation	Rendered inactive using gamma irradiation. The source was cultured in BSK II medium and the preparation contains all major antigens with residual cellular debris. The preparation was considered inactive when no detection of growth in two blind passages under original culture conditions is observed
Source	1440-0006 was prepared from <i>B. burgdorferi</i> strain B31 grown in BSK11 medium.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present.
Approx. Protein Concentrations	0.8 mg/ml using the Biorad dye binding assay. Standard curve is generated with a known concentration of IgG.
Product Information	<i>Borrelia burgdorferi</i> is a spirochete, the causative agent of the tick borne zoonotic disease Borreliosis or Lyme disease. The organism was first isolated in 1982 by Willy Burgdorfer after whom the organism was named. <i>B. burgdorferi</i> is the principal cause of Lyme disease in the U.S while <i>B. afzelii</i> and <i>B. garinii</i> are found as causative agents in Europe.
Instructions For Use	This preparation should be sonicated immediately prior to use to ensure that the preparation is uniform.

References

1. Zeman, D. *et al.* (2012) Detection of oligoclonal IgG kappa and IgG lambda bands in cerebrospinal fluid and serum with Hevylite™ antibodies. comparison with the free light chain oligoclonal pattern. [Fluids Barriers CNS. 9: 5.](#)

Storage

Store at -70°C.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.

Shelf Life

12 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation available at:
Although inactivated, generally accepted good laboratory practices appropriate to biological reagents should be employed when handling this product.

Material Safety Datasheet Documentation #10209 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10209.pdf>

Regulatory

For research purposes only

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