Native Borrelia Burgdorferi

DAG2744  B. burgdorferi
Lot. No. (See product label)

PRODUCT INFORMATION

Product overview
Native Borrelia burgdorferi (Lyme disease), 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
B. burgdorferi strain B31

Species
B. burgdorferi

Strain
strain B31

Form
Sonicated organism suspension of B. burgdorferi (strain B31) - liquid

Applications
ELISA; Western Blotting; Functional Assays

PACKAGING

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. 12 months from date of dispatch.

Concentration
Approx. 0.76 mg/ml using the Biorad dye binding assay.

Buffer
Phosphate buffered saline, pH 7.4 containing Mg++

Preservative
None present

BACKGROUND

Introduction
Borrelia burgdorferi is a spir°Chaete, the causitive 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. B. burgdorferi is the principal cause of Lyme disease in the U. S while B. afzelii and B. garinii are found as causitive agents in Europe.

Keywords
Bacteria; Spir°Chaetes; Spir°Chaetales; Spir°Chaetaceae; B. burgdorferi; Borrelia burgdorferi; Lyme disease

REFERENCES