

Rickettsia slovaca, Strain B

Catalog No. NR-10404

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Contributor:
ATCC®

Product Description:

Bacteria Classification: *Rickettsiaceae*, *Rickettsia*

Species: *Rickettsia slovaca*

Type Strain: B

Original Source: *Rickettsia slovaca* (*R. slovaca*), strain B was isolated in 1968 from *Dermacentor marginatus* ticks collected in Slovakia.¹

Comment: *R. slovaca*, strain B was deposited to the ATCC® by Dr. Gregory A. Dasch while at the Naval Medical Research Center, Bethesda, Maryland, U. S. A.

R. slovaca are Gram-negative, intracellular bacteria that belong to the alpha subdivision of *Proteobacteria*. They are a member of the spotted fever group of Rickettsiales and have been isolated from ticks throughout Europe. The disease caused by *R. slovaca* is characterized by severe headache and a general, persistent weakness.

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from African green monkey kidney cells (Vero; ATCC® CCL-81™) infected with *R. slovaca*, strain B.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-10404 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Host: Vero cells (ATCC® CCL-81™)

Growth Medium: Minimum Essential Medium with Earle's salts supplemented with 10% irradiated fetal bovine serum, 2 mM L-glutamine and 1 mM sodium pyruvate

Infection: Cells should be 80 to 90% confluent (not 100% confluent)

Incubation: 6 to 20 days at 32°C and 5% CO₂

Cytopathic Effect: Cell rounding and sloughing

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: *Rickettsia slovaca*, Strain B, NR-10404."

Biosafety Level: 3

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. Sekeyová Z, et al. "*Rickettsia slovaca* sp. nov., a Member of the Spotted Fever Group Rickettsiae." Int. J. Syst. Bacteriol. 48 (1998): 1455-1462. PubMed: 9828449.

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