**Product Information Sheet for NR-2675**

**Coxiella burnetii, Strain Nine Mile Phase II / RSA 439**

**Catalog No. NR-2675**

For research use only. Not for use in humans.

**Contributor and Manufacturer:**
James E. Samuel, Ph.D., Professor and Chair, Department of Microbial Pathogenesis and Immunology, Texas A&M University Health Science Center, Bryan, Texas, under government contract

**Product Description:**

**Bacteria Classification:** Coxiellaceae, Coxiella

**Species:** Coxiella burnetii

**Strain:** Nine Mile Phase II / RSA 439

**Original Source:** Coxiella burnetii (C. burnetii), strain Nine Mile Phase II / RSA 439 was isolated in 1935 from a guinea pig infected with Rocky Mountain wood ticks (Dermacentor andersoni) collected near Nine Mile Creek west of Missoula, Montana.¹

**Comments:** C. burnetii, strain Nine Mile Phase II / RSA 439 is a genomic group I strain and contains plasmid QpH1.²³ The phase character of the strain refers to reactivity with phase I or phase II hyperimmune serum.²

Coxiella burnetii, the causative agent of the zoonosis Q fever, is an obligate intracellular, pleomorphic, Gram-negative coccobacillus. Ticks represent a principal vector and reservoir of C. burnetii; however, the agent is most commonly transmitted to humans by direct contact with the reproductive tissues of cattle, sheep and goats.⁴

**Material Provided:**

Each vial contains 1 mL of bacteria in Bambanker™ Serum-Free Cell Freezing Medium. Bacteria were centrifuged from L929 mouse fibroblast cell lysate and resuspended in the freezing medium.

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

**Packaging/Storage:**

NR-2675 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice 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.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Coxiella burnetii, Strain Nine Mile Phase II / RSA 439, NR-2675."

**Biosafety Level:** 2


**Disclaimers:**

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**References:**


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