**Anaplasma marginale Theiler (ATCC® VR-1436™)**

**Intended Use**

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Anaplasma marginale* Theiler (ATCC® VR-1436™)

**Description**

**Strain:** South Idaho, USA (S64-Id2AM)

**Classification:** Rickettsiae

**Original Source:** Whole blood from a naturally infected 13 year old Hereford cow from south-central Idaho herd

**Depositor:** W Goff, D Stiller

Refer to the Certificate of Analysis for batch-specific test results.

**Propagation**

**Propagation Host:**
cattle (Bos taurus)
Bos taurus; Bos indicus; Bison bison; Cervus elaphus; other wild ungulates

**Effect on Host:** Decreased hematocrit resulting in mild to severe anemia and if immunocompromised, death

**Growth Conditions**

**Incubation:** Using 10^8 infected erythrocytes, 20-26 days needle challenge (IV); 33­-38 days tick transmitted

Infected erythrocytes contain incuusion bodies which each contain from 4-8 initial bodies. Organism remains viable in blood for 24 hours at 4°C. Antibodies that develop after infection cross-react extensively with Anaplasma ovis in all serologic assays evaluated to date.

**References**

References and other information relating to this product are available online at www.atcc.org.

**Key Abbreviations**

DMSO, dimethyl sulfoxide
USDA, United States Department of Agriculture

**Biosafety: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

**ATCC Warranty**

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

**Disclaimers**

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort
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Please read this FIRST

Storage Temp.
Liquid nitrogen

Biosafety Level
2

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Additional information on this culture is available on the ATCC web site at www.atcc.org.

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