Product Information Sheet for NR-9580

**Listeria marthii, Strain FSL S4-696**

**Catalog No. NR-9580**

For research only. Not for human use.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**
*Species:* Listeria marthii  
*Strain:* FSL S4-696  
*Original Source:* Listeria marthii (L. marthii), strain FSL S4-696 was isolated from a standing water puddle collected on July 9, 1998, in the Connecticut Hill Wildlife Management Area located in the Finger Lakes region of New York, USA.

**Comment:** L. marthii is a new species of Listeria that is named after Emeritus Professor Elmer H. Marth, for his contributions to *Listeria monocytogenes* research.

*L. marthii* is a Gram-positive, motile, non-spore-forming, aerobic to facultatively anaerobic, rod-shaped bacterium found in the natural environment.1,2 *L. marthii* is a nonpathogenic *Listeria* species which lacks the *prfA* virulence genes cluster and is non-hemolytic on blood agar.1,2

**Material Provided:**
Each vial contains approximately 0.5 mL of bacterial culture in Brain Heart Infusion broth supplemented with 10% glycerol.

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

**Packaging/Storage:**
NR-9580 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 Condition:**
- **Media:** Brain Heart Infusion broth or equivalent  
- **Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion agar or equivalent**

**Incubation:**
- **Temperature:** 37°C  
- **Atmosphere:** Aerobic

**Propagation:**
1. Keep vial frozen until ready for use, then thaw.  
2. Transfer the entire thawed aliquot into a single tube of broth.  
3. Use several drops of the suspension to inoculate an agar slant and/or plate.  
4. Incubate the tube, slant and/or plate at 37°C for 24 to 48 hours.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Listeria marthii*, Strain FSL S4-696, NR-9580.”

**Biosafety Level:** 2


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