**Propagating**

**Shigella flexneri, Strain 24570**

**Catalog No. NR-517**
(Derived from ATCC® 29903™)

For research only. Not for human use.

**Contributor:**
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**Product Description:**
Bacteria Classification: *Enterobacteriaceae, Shigella*
Species: *Shigella flexneri* (S. flexneri)
Type Strain: 24570
Serotype: 2a

Shigellae are Gram-negative, nonsporulating, facultative, anaerobic bacilli that are the causative agent of shigellosis. Four species of *Shigella* (S. dysenteriae, S. flexneri, S. sonnei and S. boydii) are able to cause the disease. Shigellosis is most commonly associated with children of developing countries where it causes more than one million deaths every year. Transmission generally occurs through contaminated food and water or by person-to-person contact.1,2

**Material Provided:**
Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Tryptic Soy Broth supplemented with 10% glycerol.

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

**Packaging/Storage:**
NR-517 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:**

**Media:**
Tryptic Soy Broth or equivalent
Tryptic Soy 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 Tryptic Soy Broth.
3. Use several drops of the suspension to inoculate a Tryptic Soy Agar slant and/or plate.
4. Incubate the tubes and plate at 37°C for 24 hours.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infectious Research Resources Repository, NIAID, NIH: *Shigella flexneri, Strain 24570, NR-517.*”

**Biosafety Level: 2**

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**References:**

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