**Neisseria gonorrhoeae, Strain 1145734**

**Catalog No. NR-56644**

For research use only. Not for use in humans.

**Contributor and Manufacturer:** ATCC®

**Product Description:**

**Species:** Neisseria gonorrhoeae  
**Strain:** 1145734  
**Original Source:** Neisseria gonorrhoeae (N. gonorrhoeae), strain 1145734 was isolated in 2014 from a urine sample of a 30-year-old male in Chile. 
**Comments:** N. gonorrhoeae, strain 1145734 was deposited as part of the Global Priority Superbugs Collection. NR-56644 was deposited as resistant to ciprofloxacin and tetracycline.

*N. gonorrhoeae* is a Gram-negative, aerobic to facultatively anaerobic, diplococcal bacteria that colonizes the genital, rectal and oral mucosa and is the causative agent of gonorrhea, a sexually transmitted infection of the genital tract.1,2 Gonorrheal infections may also occur in the rectum, pharynx and eyes. Left untreated, disseminated gonorrheal infection (DGI) may develop, resulting in septic arthritis, endocarditis and skin manifestations.2,3 While once easily treatable with antibiotics, *N. gonorrhoeae* is rapidly developing resistance to every major class of antibiotics.2,3

**Material Provided:**

Each vial contains approximately 0.3 mL of bacterial culture in Chocolate broth supplemented with 10% glycerol.

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

**Packaging/Storage:**

NR-56644 was packaged aseptically in 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:**  
*Haemophilus* Test medium broth or Chocolate broth or equivalent  
Chocolate agar or equivalent

**Incubation:**

**Temperature:** 37°C  
**Atmosphere:** Aerobic with 5% CO₂

**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 1 day.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Neisseria gonorrhoeae, Strain 1145734, NR-56644.”

**Biosafety Level:** 2


**Disclaimers:**

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**References:**


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