b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-19493

Helicobacter pylori Gateway® Clone Set, Recombinant in *Escherichia coli*, Plate 17

Catalog No. NR-19493
This reagent is the tangible property of the U.S. Government.

Product Description: The *Helicobacter pylori* (*H. pylori)* Gateway® clone set consists of approximately 1600 sequence validated clones from *H. pylori* cloned in *Escherichia coli* (*E. coli*) DH10B-T1 cells.

Note: Production in the 96-well format has increased risk of cross-contamination between adjacent wells. Individual clones should be purified (e.g. single colony isolation and purification using good microbiological practices) and sequence-verified prior to use. BEI Resources cannot confirm or validate any clone not identified on the plate information table found on the Product Information Sheet.

Lot[1]: 61074551 **Manufacturing Date: 26JUN2012**

TEST	SPECIFICATIONS	RESULTS
Direct Sequencing of an Entry Vector Clone (Well A04)	Confirmation of plate orientation Confirmation of clone identity	Orientation confirmed Clone identity confirmed
Viability (post-freeze)[1]	Report results	Growth from inoculated wells
Purity (post-freeze)[1]	Report results	Wells with growth exhibit single colony type consistent with *E. coli*

[1]All plates incubated 24 hours at 37°C and aerobic atmosphere on Luria Bertani agar with 50 µg/mL kanamycin

Date: 03 DEC 2012 **Signature:**

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Support Provided by NIAID

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