

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** R92101 **Lot #:** 1C08221

**Description:** *Helicobacter pylori* Ag (43504)  
*Helicobacter pylori* (*H. pylori*) Antigen (Strain 43504)  
  
Detergent extract of whole *H. pylori* cell sonicates. *H. pylori* antibody reactive antigens. *H. pylori* specific.

**Source:** *H. pylori* Culture  
Strain: ATCC 43504

**Format:** Lysate, Liquid

**Purification:** Extracted from a pure *H. pylori* culture derived from one single *H. pylori* colony. Extraction from the whole *H. pylori* cells by a combination of detergent extraction and sonication. Detergent removed from final product.

**Concentration:** 1.0 mg/mL (Bradford Protein Assay)

**Buffer:** 0.015 M Potassium Phosphate, 0.85% Sodium Chloride, pH 7.40.

**Preservative:** 0.1% Sodium Azide

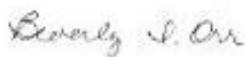
**Applications:** Suitable for use in EIA or other antibody capture Immunoassays. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Store at -70°C. Avoid multiple freeze/thaw cycles.

**Inactivation:** *H. pylori* is oxygen-sensitive. Exposure to air for more than one-hour results in the loss of its viability. Extraction of the antigen takes 48-60 hours and *H. Pylori* does not survive.

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

**References:** The reference listed below is for research purposes only:  
Kikuchi, T., et al., (2002), "Clarithromycin suppresses lipopolysaccharide-induced interleukin-8 production by human monocytes through AP-1 and NF-kappaB transcription factors", Journal of Antimicrobial Chemotherapy, **49**: 745-755.



Quality Signature:

27 March 2021

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**