



# Meridian

## Life Science, Inc.

Innovative Solutions. Trusted Partner.®

5171 Wilfong Road  
Memphis, TN 38134  
USA

Telephone: 901-382-8716

Fax: 901-333-8223

Email: [info@meridianlifescience.com](mailto:info@meridianlifescience.com)

[www.MeridianLifeScience.com](http://www.MeridianLifeScience.com)

### CERTIFICATE OF ANALYSIS

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

**Catalog #:** A42280H **Lot #:** 1E13917

**Description:** Human IL-8 (1-72) Recomb.  
Recombinant Human Interleukin-8 (IL-8) (Amino Acids 1-72)

Recombinant Human IL-8 is a single, non-glycosylated polypeptide chain containing 72 amino acids and having a molecular weight of 8,452 Da. The sequence of the first five N-terminal amino acids was determined to be Ser-Ala-Lys-Glu-Leu. Contains less than 1% dimers and aggregates.

**Source:** *E. coli*

**Format:** Purified, Lyophilized  
Reconstitute using sterile deionized water to a concentration > 100 µg/mL. Further dilutions can be made in other aqueous buffers.

**Purification:** > 98% pure (HPLC, FPLC and reducing and non-reducing SDS-PAGE). Endotoxin level is less than 0.1 ng/µg (IEU/µg). Purified by chromatographic techniques.  
Product is sterile filtered.

**Concentration:** 1 mg/mL (OD280nm,  $E^{0.1\%} = 0.85$ ) (prior to lyophilization).

**Buffer:** Not Applicable

**Preservative:** None

**Applications:** Specific activity of Human IL-8 determined in chemotaxis of donor PBL neutrophils with threshold concentration corresponding to 10-100 ng/mL. 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:** The lyophilized product, though stable for 3 weeks at room temperature, is best stored at -20°C. After reconstitution, short term (up to 1 week) store at 2-8°C. Long term, add 0.1% HSA or BSA, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

**Inactivation:** Not Applicable

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

*CORRY THOMAS*

19 May 2017

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**