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# Certificate of Analysis and Data Sheet Purified Human Cathepsin D

**Catalog No.**  
MD-14-0025P

**Species:**  
Human

**Description:** Purified Human Cathepsin D

**Source:** Human Liver

**Format:** Purified, Lyophilized  
Reconstitute with 90 µl distilled water.

**Purification:** ≥95% pure (SDS-PAGE)

**Concentration:** Protein: 0.3 mg/ml (prior to lyophilization)  
Specific activity: 396 Units/mg (prior to lyophilization)  
One unit is the amount of enzyme which digests hemoglobin releasing peptides which are soluble in 10% TCA. The reaction is measured by an increase of an A280 of 1.0 per 60 minutes at 37 °C. Substrate: Acid denatured hemoglobin (0.2% in reaction mixture). Buffer: 0.1 M formate, pH 3.3

**Buffer:** Lyophilized from 2 mM Sodium Phosphate, pH 6.5

**Preservative:** None

**Applications:** Specific methodologies have not been tested using this product.

**Storage:** Store at -20 °C. Avoid multiple freeze/thaw cycles.  
Centrifuge before opening to ensure complete recovery of vial contents.

**Inactivation:** Not applicable

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**