



# Meridian

## Life Science,® Inc.

Innovative Solutions. Trusted Partner.®

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### CERTIFICATE OF ANALYSIS

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

**Catalog #:** A38558H **Lot #:** 1A01520

**Description:** Human Lactate Dehydrogenase 5  
Lactate Dehydrogenase Isoenzyme 5 (LDH5)

Contaminants:

|     |         |
|-----|---------|
| ALP | < 0.01% |
| CK  | 0.04%   |
| GOT | 0.03%   |
| GGT | < 0.01% |
| GPT | 0.02%   |

**Source:** Human Liver

**Format:** Ammonia Sulfate Suspension, Liquid

**Purification:** > 98% LD5 (Helena QuickGel® LD Isozyme Kit)

**Concentration:** Activity: 2,210 U/mL @ 37°C Dimension  
Protein: 7.4 mg Protein/mL (Coomassie)  
Specific Activity: 300 U/mg Protein  
One unit will catalyze the oxidation of one micromole of L-lactate to Pyruvate at 37°C and pH 9.4

**Buffer:** 3.1 M Ammonium Sulfate, 50 mM Tris-Chloride, 1 mM DTT, 1 mM EDTA, pH 8.3.

**Preservative:** None

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

**Storage:** Store at 2–8°C. **DO NOT FREEZE!**

**Inactivation:** Not Applicable

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

*Bianca Gelle*

15 JAN 2020

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**