



# 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 #:** A38454H **Lot #:** 1E12918

**Description:** Human Lactate Dehydrogenase 4  
Lactate Dehydrogenase Isoenzyme 4 (LDH4)

Contaminants:

ALP	<0.1%
GGT	<0.1%
GOT	<0.1%
GPT	<0.1%
CK	<0.1%

**Source:** Human Liver

**Format:** Ammonium Sulfate Suspension, Liquid

**Purification:**

LD-1	< 2% (Helena QuickGel® LD Isoenzyme Electrophoresis)
LD-2	< 2%
LD-3	< 15%
LD-4	86 % ( Mobility consistent with serum control)
LD-5	< 15%
CK	≤ 1%

**Concentration:** Activity: 150 Units/mL @ 37°C (Dimension)  
Protein: 0.61 mg protein/mL (Coomassie)  
Specific Activity: 250 Units/mg protein  
One unit will catalyze the oxidation of one micromole of L-lactate to pyruvate per minute at 37°C and pH 9.4.

**Buffer:** Suspension in 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.

*Diana D...*

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**