

## CERTIFICATE OF ANALYSIS

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

**Catalog #:** A38353H **Lot #:** 9A00918

**Description:** Human Lactate Dehydrogenase 3  
Lactate Dehydrogenase Isoenzyme 3 (LDH3)

Contaminants:

CK ≤ 1%  
GOT 0.2%

**Source:** Human Erythrocytes (Red Blood Cells)

**Format:** Ammonium Sulfate Suspension, Liquid

**Purification:** LDH-3 100% (no other LDH isoenzyme detected).

**Concentration:** Activity: 1110 Units/mL @ 37°C.  
Protein: 3.5 mg Protein/mL (Coomassie)  
Specific Activity: 320 Units/mg Protein  
One unit will catalyze the transformation of one micromole of L-lactate to pyruvate per minute at 37°C and pH 9.4.

**Buffer:** 3.1 M Ammonium Sulfate, 20 mM Tris-Chloride, 1 mM DTT, 1 mM EDTA, pH 7.5.

**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...*

09Jan2018

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**