



Certificate of Analysis

Product name: D-LACTATE DEHYDROGENASE (EC 1.1.1.28)

Product code: # D-LDH

Batch: 010.00123

Mfg Date: November 2023

Tests	Specifications	Results	Comment
Activity (U/ml)	> 10000	11915	Passed
Specific Activity (U/mg of proteins) ¹	> 800	1277	Passed

Unit definition²

One Unit of D-Lactate Dehydrogenase is defined as the amount of enzyme required to reduce one μ mole of pyruvate to D-lactate per minute at 25°C under the following assay conditions:

Sodium phosphate buffer, pH 7.0	100 mM
Sodium pyruvate	9.2 mM
NADH	0.29 mM

References

¹ Determined as *Ref.*: Bradford M. M., *Analytical Biochemistry*, Vol. **72**: pp. 248-254 (1976).

² Garvie, E. I., *Microbiol. Rev.*, Vol. **44**: pp. 106-139 (1980).

Storage and use conditions

The enzyme is supplied as an ammonium sulphate suspension and should be stored at +2/+8 °C. For assay, this enzyme should be diluted in 20 mM Sodium phosphate buffer, pH 7.0. **Swirl to mix the enzyme suspension immediately prior to use.**

Quality Assurance
Rosaria Cassese

Exp. Date: November 2026

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