



GALACTOSE DEHYDROGENASE plus MUTAROTASE (Lot 180901)

Recombinant

E-GALMUT

09/18

(EC 1.1.1.48) Galactose dehydrogenase, D-galactose:NAD⁺ I-oxidoreductase
CAS: 9028-54-0

(EC 5.1.3.3) Galactose mutarotase, Aldose I-epimerase
CAS: 9031-76-9

PROPERTIES

1. ELECTROPHORETIC PURITY:

Each protein appears as a single band on SDS-gel electrophoresis and on isoelectric focusing.

2. SPECIFIC ACTIVITY:

**Galactose dehydrogenase (GalDH); > 200 U/mL at pH 8.6 and 25°C.
Mutarotase; 4.1 mg/mL**

One Unit of galactose dehydrogenase (GalDH) is defined as the amount of enzyme required to produce one μ mole of NADH from NAD⁺ per minute.

4. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 8.6 and 20°C – 40°C.

5. STORAGE AND USE CONDITIONS/RECOMMENDATIONS:

This mixture of enzymes is supplied as an ammonium sulphate suspension and should be stored at 4°C. For use in the measurement of lactose and D-galactose. Refer to the **Lactose/D-Galactose Assay Kit booklet (Megazyme cat. no. K-LACGAR)** for details of required concentrations, aliquots and incubation times. **Swirl to mix the enzyme suspension immediately prior to use.**

For use under Patent No. US 7,785,771 B2 and EPI 828 407 (GB, FR, IE, DE)