

Active Native Porcine Mutarotase

Cat. No. GALM-40P **Lot. No.** (See product label)

SPECIFICATION

Species	Pig
Source	Porcine Kidney
ProteinLength	342 aa
Predicted N Terminal	~>1500 units/mg for the powder or ~5000 units/mg for the suspension (or see lot sp. conc on the vial)
Form	Ammonium Sulphate Suspension
Bio-activity	~>1500 units/mg for the powder or ~5000 units/mg for the suspension
Molecular Mass	37-40 kda
Unit Definition	The amount of enzyme which causing an increase in the rate of spontaneous mutarotation of α - D-Glucose to β - the decomposition of one micromole of H ₂ O ₂ per minute at 25°C and pH 7.00. One unit as described above is equivalent to approx. 0.04 units in glucose dehydrogenase coupled assay at 25°C and pH 7.2 or approx. 0.0035 units in GO/HRP coupled assay at 37°C. and pH 7.2.
Usage	For research use only, not for diagnostic or therapeutic use.
Storage	Enzyme activity of the lot is specified on the vial. The powdered enzyme should be stored in the freezer (?20°C). If properly stored, these products have a shelf life of at

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least two years.

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