

Galactose Dehydrogenase (PfGalDH)

Product Information

Cat#	DIA-789
Descriptions	Galactose dehydrogenase (PfGalDH) derived from hyperthermophilic archaea catalyzes NAD ⁺ -dependent oxidation of D-galactose to D-galactono-1,5-lactone, exhibits excellent thermal stability and substrate specificity, and is suitable for galactose detection and high-temperature biocatalytic systems.
Applications	Galactose dehydrogenase (PfGalDH) serves as a key raw material for galactose content detection kits and carbohydrate biochemical assay reagent development.
CAS No.	111-1-48
Enzyme Commission Number	EC 1.1.1.48
Enzyme Source	E.coli recombinant galactose dehydrogenase from Pseudomonas fluorescens.
Reaction	Galactose+NAD = galacturonic acid+NADH
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol NADH from Galactose and NAD per minute at 37°C.