

D-xylose Dehydrogenase

Product Information

Cat#	DIA-687
Descriptions	D-xylose dehydrogenase catalyzes the oxidation of D-xylose into D-xylonolactone with coenzyme NAD ⁺ or NADP ⁺ as electron acceptor, is a core enzyme in the pentose metabolic pathway, and supports the development of xylose bioconversion and biosensor systems.
Applications	D-xylose dehydrogenase serves as a core raw material for xylose detection kits and pentose metabolism pathway assay reagent development.
CAS No.	62931-20-8
Enzyme Source	Caulobacter vibrioides and is derived CvXylB (Xylose Dehydrogenase).
Synonyms	CvXylB
Activity Definition	One unit is defined as the amount of enzyme that catalyzes the formation of 1 μmol of D-xylose-1 5-lactone from D-xylose at 37°C and pH 9.0.