

D-Xylose Colorimetric Assay Kit

Cat No: HR3BC1112

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(554 nm)
Assay Time	30 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,urine
Synonyms	D-aldopentose
Instrument	Spectrophotometer(554 nm)
Detection Principle	D-xylose can produce furfural by dehydration in strong acid solution. The generated furfural reacts with Phloroglucinol to form pink compounds. The content of D-xylose can be calculated by colorimetric assay at 554 nm.
Reagents	Normal saline (0.9% NaCl) or PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer, Water bath
Size	100Assays
Sensitivity	0.007 mmol/L
Detection Range	0.007-4 mmol/L
Recovery Rate	103