# D-Xylose Colorimetric Assay Kit

**Cat No: HR3BC1112**

For research use only

## Overview

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|---|---|
| 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 |