

# 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  |