

## Porcine D-Xylose ELISA Kit

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CATALOG #  
**AAA97389**

REACTIVITY  
**Porcine**

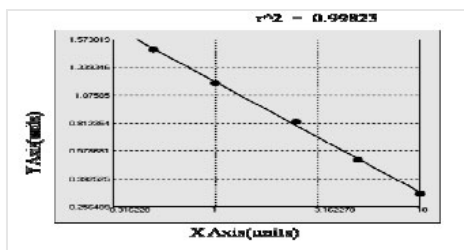
### PRODUCT SYNONYMS

D-Xylose; Porcine D-Xylose ELISA Kit; D-Xylose elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                    |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for D-Xylose elisa kit

**Intended Uses:** This DXY ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine DXY. This ELISA kit for research use only!

**Principle of the Assay:** DXY ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DXY antibody and an DXY-HRP conjugate. The assay sample and buffer are incubated together with DXY-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DXY concentration since DXY from samples and DXY-HRP conjugate compete for the anti-DXY antibody binding site. Since the number of sites is limited, as more sites are occupied by DXY from the sample, fewer sites are left to bind DXY-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DXY concentration in each sample is interpolated from this standard curve.

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.