

## Pig 25-hydroxy vitamin D3 (25 HVD3) ELISA Kit | 25 HVD3 elisa kit

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CATALOG #  
**AAA309848**

REACTIVITY  
**Pig**

### PRODUCT SYNONYMS

25-hydroxy vitamin D3 (25 HVD3); Pig 25-hydroxy vitamin D3 (25 HVD3)ELISA kit; 25 HVD3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Pig                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Pig 25-HVD3. No significant cross-reactivity or interference between Pig 25- HVD3 and analogues was observed.              |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                             |
| Detection Range         | 3.12 ng/mL - 200 ng/mL                                                                                                                                                                                |
| Sensitivity             | 1.04 ng/mL (mean of 6 independent assays)                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 4 degree C                                                                                                                                                                                   |

### ADDITIONAL INFORMATION

#### Related Product Information for 25 HVD3 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitative 25-HVD3 in Pig serum, plasma. An antibody specific for 25-HVD3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any 25-HVD3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin - conjugated antibody specific for 25-HVD3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of 25-HVD3 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Pig 25-hydroxy vitamin D3 (25-HVD3) concentration in serum, plasma and other biological fluids.

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/pig-elisa-kits/25-hydroxy-vitamin-d3-25-hvd3/309848>