

## Horse insulin ELISA Kit | INS elisa kit

Horse insulin (INS) ELISA Kit

CATALOG #  
AAA55367

REACTIVITY  
Horse

### PRODUCT SYNONYMS

insulin; Horse insulin (INS) ELISA Kit; INS elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Horse                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Horse INS. No significant crossreactivity or interference between Horse INS and analogues was observed.                    |
| Sequence Length         | 110                                                                                                                                                                                                   |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                             |
| Detection Range         | 6.25 uIU/mL - 400 uIU/mL                                                                                                                                                                              |
| Sensitivity             | 3.1 uIU/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 2-8 degree C.                                                                                                                                                                                |

### ADDITIONAL INFORMATION

#### Related Product Information for INS elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate INS in Horse serum, plasma. An antibody specific for INS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any INS present is bound by the immobilized antibody. After removing any unbound substances, a biotinconjugated antibody specific for INS 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 INS 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 Horse Insulin (INS) concentration in serum, plasma and other biological fluids.

### NCBI AND UNIPROT INFORMATION

|                         |          |
|-------------------------|----------|
| NCBI GI #               | 124616   |
| UniProt Accession #     | P01310   |
| Molecular Weight        | 9,147 Da |
| NCBI Official Full Name | Insulin  |
| UniProt Protein Name    | Insulin  |

**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.

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Online datasheet: <https://www.aaabiotech.com/ins-horse-elisa-kits/insulin/55367>