

HBT ELISA TEST KIT FOR HUMAN HEART FATTY ACID BINDING PROTEIN

The Hbt Human Heart FABP Elisa kit has been developed for the quantitative measurement of natural human heart FABP in serum and plasma. The Elisa can be used to detect heart damage. It is also useful for detection of brain damage.

PRINCIPLE OF THE TEST

The Hbt Human Heart FABP (H-FABP) test is a solid-phase enzyme-linked immunosorbent assay based on the sandwich principle.

The microwells have been pre-coated with monoclonal antibody recognizing human H-FABP. Diluted samples or standards are incubated together with peroxidase conjugated second antibody (tracer) in the microwells for a specified incubation period, during which human H-FABP is bound to the solid phase. If human H-FABP is present in the sample, the tracer antibody is bound to the solid phase.

Unbound material present in the sample and excess tracer is removed by washing and a TMB substrate solution is added to the wells.

Colour develops proportionally to the amount of human H-FABP present in the sample.

The enzyme reaction is stopped by the addition of citric acid and the absorbance at 450 nm is measured spectrophotometrically. A standard curve is obtained by plotting the absorbance versus the corresponding concentration of the standards.

The human H-FABP concentration of unknowns, which are run concurrently with the standards can be determined from the standard curve.

SPECIAL FEATURES OF THE KIT

- Two assay format (normal and rapid).
- Ready-to-use (ie. pre-coated microwells).
- High specificity for human heart FABP due to the use of two monoclonal antibodies directed against different epitopes on the FABP molecule.
- High sensitivity. The minimum concentration which can be measured is 100 pg/ml.
- Large measurable concentration range. Standard curve from 100-25,000 pg/ml.
- Efficient format. Twelve disposable 8-well strips allow free choice of batch size for the assay.
- Simple, rapid procedure. Only three pipetting steps are required to complete the assay.
Working time rapid format 50 minutes. Working time normal format 1.5 hours.
- High reproducibility.

AVAILABILITY

The Hbt Human Heart FABP tests are available in kits for 1 x 96 determinations and in kits for 2 x 96 determinations.

PRODUCT NUMBER: **HK401**, 1 x 96 determinations
 HK402, 2 x 96 determinations

For research purposes only.

Caution: Not for use in humans.