

## HBT ELISA TEST KIT FOR HUMAN IL-6

The Hbt Human IL-6 kits have been developed for the quantitative measurement of natural and recombinant Human IL-6 in serum, plasma and culture medium.

### PRINCIPLE OF THE TEST

The Hbt Human IL-6 ELISA test kit is a solid-phase enzyme-linked immunosorbent assay based on the sandwich principle. Samples and standards are incubated in microtiter wells coated with antibodies recognizing Human IL-6. During this incubation Human IL-6 is captured by solid bound antibody. Unbound material present in the sample is removed by washing. Next biotinylated second antibody (tracer) to Human IL-6 is added to the wells. If IL-6 was present in the sample, the tracer antibodies will bind to the captured IL-6. Excess tracer is removed by washing. Next a streptavidin-peroxidase conjugate is applied to the wells, this conjugate reacts specifically with the biotinylated tracer antibody bound onto the captured IL-6. Excess streptavidin-peroxidase conjugate is removed by washing and substrate, tetramethylbenzidine (TMB) is added to the wells. Colour develops proportionally to the amount of human IL-6 present in the sample. The enzyme reaction is stopped by the addition of citric acid and the absorption at 450 nm is measured with a spectrophotometer. A standard curve is obtained by plotting the absorptions versus the corresponding concentrations of the known standards. The human IL-6 concentration of samples with unknown concentrations, which are run concurrently with the standards, can be determined from the standard curve.

### SPECIAL FEATURES OF THE KIT

- Ready-to-use (i.e. pre-coated microwells).
- High specificity.
- High reproducibility
- High sensitivity. The minimum concentration which can be measured is 10 pg/ml of IL-6.
- Large measurable concentration range. Standard curve from 8-2,000 pg/ml.
- Efficient format. Two plates with each twelve 8-well strips allow free choice of batch size for the assay.
- Simple, rapid procedure. Four pipetting steps are required to complete the assay. Working time 3½ hours.

### AVAILABILITY

The Hbt Human IL-6 tests are available in kits for 2 x 96 and 10 x 96 determinations.

**PRODUCT NUMBER: HK308** Hbt Human IL-6 ELISA Kit

### Also available:

**PRODUCT NUMBER: DK1308** Hbt Human IL-6 DECA Kit, complete ELISA reagent set for 10 x 96 determinations.

For research purposes only.  
Caution: Not for use in humans.