

## **2 CAT (Adrenaline + Noradrenaline) Plasma ELISA**

Technology	: ELISA
Kit size	: 2 x 96 determinations
Sample material	: EDTA-plasma or cell culture
Sample preparation	: acetylation
Sample volume	: 1-750 µl EDTA-plasma or cell culture
Standard range	: 0.45 - 45 ng/ml
Incubation	: 15-20 h (2-8°), 30, 20 min (RT/shaker)
Measuring system	: TMB at 450 nm
Sensitivity	: AD: 0.3 ng/ml; NAD: 0.2 ng/ml

### **Special remarks:**

#### **Intended use and principle of the test**

Enzyme Immunoassay for the quantitative determination of Adrenaline (Epinephrine) and Noradrenaline (Norepinephrine).

Flexible test system for various biological sample types and volumes.

Adrenaline (Epinephrine) and Noradrenaline (Norepinephrine) are extracted by using a cis-diol-specific affinity gel, acylated and then converted enzymatically.

The competitive ELISA kit uses the microtiter plate format. The antigen is bound to the solid phase of the microtiter plate. The derivatized standards, controls and samples and the solid phase bound analytes compete for a fixed number of antiserum binding sites. After the system is in equilibrium, free antigen and free antigen-antiserum complexes are removed by washing. The antibody bound to the solid phase is detected by an anti-rabbit IgG-peroxidase conjugate using TMB as a substrate. The reaction is monitored at 450 nm.

Quantification of unknown samples is achieved by comparing their absorbance with a reference curve prepared with known standard concentrations.