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QuicKey Pro Sheep E3 (Estriol) ELISA Kit

Cat #: G-EC-06130

Species: Sheep

Sensitivity: 1.32pg/mL

Type: Competitive

Range: 3.13-200pg/mL

Detection: Colormetric

Duration: 1.5h

Principle:
This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Sheep E3. Samples (or Standards) and Horseradish Peroxidase (HRP) linked antibody specific for Sheep E3 are added to the micro ELISA plate wells. Sheep E3 in samples (or standards) competes with a fixed amount of Sheep E3 on the solid phase supporter for sites on the HRP linked detection antibody specific to Sheep E3. Excess conjugate and unbound sample or standard are washed from the plate. The substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450±2 nm. The concentration of Sheep E3 in the samples is then determined by comparing the OD of the samples to the standard curve.

Specificity:
This kit recognizes Sheep E3 in samples. No significant cross-reactivity or interference between Sheep E3 and analogues was observed.

UniProt ID:

Gene: E3

Synonyms: Estriol, E3

Specimen: Serum and plasma

Application: This ELISA kit applies to the in vitro quantitative determination of Sheep E3 concentrations in Serum and plasma .

Research Areas: Cell Biology, Signal transduction, Developmental biology

Storage:
An unopened kit can be stored at 2-8°C for 6 months. After test, the unused wells and reagents should be stored according to the storage table in the manual.