



**User's Manual**

# Ethynylestradiol (EE2) ELISA kit



**DEIABL456**



**96T**



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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**Creative Diagnostics**

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## PRODUCT INFORMATION

### Principles of Testing

The test is based on the recognition of EE2 by specific monoclonal antibodies. EE2 present in the sample and an EE2-enzyme conjugate (i.e. EE2 labeled with a coloring enzyme :HRP) are premixed and added into each well of a microplate, and allowed to compete for limited number of binding sites of specific antibodies immobilized on the surface of the wells. When the EE2 concentration is higher relative to the enzyme conjugate, the EE2 will predominantly bind the antibody and vice versa.

### Reagents And Materials Provided

- MoAb-Coated Microplate
- EE2 Standard: 0µg/L, 0.05µg/L, 0.15µg/L, 0.5µg/L, 3.05µg/L
- Antigen-enzyme Conjugate powder
- Buffer Solution
- Wash Solution (6-fold concentration)
- Color Solution (TMB)
- Stop Solution
- Uncoated Microplate
- Plate Cover
- Instruction Booklet

### Materials Required But Not Supplied

1. Glass disposable test tubes
2. Glass fiber filters
3. Micropipettes (20µL - 200µL and 100µL - 1000µL)
4. Multichannel pipettes (50µL - 300µL)
5. Microplate reader (450nm wavelength)
6. Stop watch
7. Strip ejector
8. Methanol (HPLC grade)

### Storage

Store all reagents at 2-8°C. Reagents may be used until the expiration date on the box.

### Detection Range

Samples containing EE2 within the dynamic range between 0.05µg/L and 3µ/L. can be directly applied to assay after filtration.