PRODUCT SPECIFICATIONS

Name: Anti-h E2 (Estradiol) 10450

Specificity: Antibody recognizes human estradiol (E2)

Description: Monoclonal antibody raised against human 17b Estradiol. *In vitro* cultured mouse monoclonal antibody.

Product code: 700011

Product buffer solution: 0.1 M PBS, pH 7.4, 0.9 % NaCl, 0.05 % NaN₃ as a preservative

Shelf life and storage: 60 months from manufacturing at 2–8 °C

Analyte description: Estradiol is a steroid and the primary female sex hormone produced by the ovaries. It prepares the uterus for the implantation of the fertilized ovum and promotes the maintenance of the female reproductive organs. Serum estradiol is measured in women and it reflects primarily the activity of the ovaries.

PARAMETERS TESTED ON EACH LOT

Product appearance: Liquid

Product concentration: > 1.0 mg/ml

Immunoreactivity: Not Determined (N/D)

IEF Profile: N/D

Purity: N/D

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass: IgG₁

Association rate constant: N/D

Dissociation rate constant: N/D

Affinity constant: N/D

Determination method: –

Determination antigen: –
**Cross-reactivities**
N/D

**Epitope**
N/D

**Pair recommendations**

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<th>CAPTURE ANTIBODY</th>
<th>DETECTION ANTIBODY</th>
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Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

**Product stability**

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<th>TEMPERATURE, TIME</th>
<th>RESULT</th>
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**Miscellaneous**
Coupling to carrier protein (BSA) for immunization was done on carbon 6 in the steroid ring structure.

**References**
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