

Interpreting serum oestradiol levels

Quoted reference intervals should be used for guidance only. Values in individual patients may exceed these intervals and should be interpreted in the context of other results and the clinical situation.

Healthy women

The expected range for healthy women was determined by collecting blood at multiple time points of one menstrual cycle from 85 apparently healthy subjects with a natural menstrual cycle that were not taking any hormonal contraceptives. A menstrual cycle was defined as the phase between two subsequent menstrual bleedings. Cycle length (29 days) and day of ovulation (day 15) were standardized to account for variation in cycle length within the study population.

| <i>Cycle phase</i> | <i>2.5th – 97.5th percentile</i> |
|---------------------------|---|
| Follicular | 114 – 332 pmol/L |
| Ovulation | 222 – 1959 pmol/L |
| Luteal | 222 – 854 pmol/L |

142 apparently healthy, **post-menopausal women** over the age of 50

| <i>Expected values</i> |
|-------------------------------|
| < 505 pmol/L |

150 apparently healthy **males**

| <i>2.5th – 97.5th percentile</i> |
|---|
| 41 – 159 pmol/L |

Reference:

Roche Elecsys Estradiol III Instructions for Use (IFU) v5, Ref 07027249190