**Supplementary File 4. Reference values for estradiol.**

|  |  |  |
| --- | --- | --- |
| **Sex** | **Age (years)** | **Reference value (ng/L)** |
| Male | <9 | <6 |
| Male | 9 - 12 | <10 |
| Male | 12 - 15 | 1 - 36 |
| Male | 15 - 17 | 3 - 34 |
| Male | Adult | 8 – 42 |
| Female | Adult | Premenopausal: 30 - 400 |