

FR-E-2700

## Pregnenolone ELISA kit - Serum Samples

This Pregnenolone ELISA kit is designed for the quantitative measurement of the endogenous steroid pregnenolone in human serum samples within 75 minutes. As a crucial downstream product of cholesterol metabolism, pregnenolone is instrumental in confirming the activity of CYP11A1 and 3 $\beta$ -HSD enzymes in both the gonads and adrenal glands. Accurate measurement of pregnenolone can therefore assist in identifying adrenal function disorders, such as congenital adrenal hyperplasia, endocrine tumors, and infertility. Moreover, because pregnenolone is a key precursor in the steroid hormone biosynthesis pathway, this kit is also well-suited for monitoring steroidogenesis—for example, in studies evaluating the impact of endocrine-disrupting chemicals (EDCs).



<b>Sample type</b>	Serum
<b>Capacity</b>	96-well plate
<b>Sensitivity</b>	0.05 ng/mL
<b>Range</b>	0/0.1 – 25.6 ng/mL
<b>Assay time</b>	75 min
<b>Reactivity</b>	Human
<b>Application</b>	Research use or in vitro diagnostics ( <b>IVD in EU only</b> )
<b>Storage</b>	Store at 2-8°C for to 6 months
<b>Sample collection &amp; storage</b>	Serum: Store samples at 2-8°C for up to 48h or -20°C for longer period (up to 6 months). No specific pre-treatment required.
<b>Sample preparation</b>	Enzymatic conjugation (60 min)
<b>ELISA</b>	Incubation, revelation and read steps (15 min)

To see data, publications, and download instructions for use and MSDS, visit:  
<https://www.immusmol.com/product/pregnenolone-elisa-kit/>