

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 β -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).



Sample type	Serum
Capacity	96-well plate
Sensitivity	0.05 ng/mL
Range	0/0.1 – 25.6 ng/mL
Assay time	75 min
Reactivity	Human
Application	Research use or in vitro diagnostics (IVD in EU only)
Storage	Store at 2-8°C for to 6 months
Sample collection & storage	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.
Sample preparation	Enzymatic conjugation (60 min)
ELISA	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/>