

Pregnenolone ELISA kit I Fast I Serum Samples

Ref: FR-E-2700

This Pregnenolone ELISA kit is designed for the quantitative measurement of the endogenous steroid pregnenolone in human serum samples. 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, EDTA plasma
Sample volume	50 μ l
Capacity	96 tests
Sensitivity	0.05 ng/mL
Range	0/0.1 – 25.6 ng/mL
Assay time	75 min
Reactivity	Human

INFORMATIONS

Product name	Pregnenolone ELISA
Description	<i>In vitro</i> diagnostics / Research enzyme immunoassay (ELISA) for the quantitative determination of pregnenolone in human serum.
Labels	IVD (EU only) or RUO, CE
Format	96-well plate
Samples	Serum
Sample volume	50 μ L
Reactivity	Human
Standard range	0/0.1 – 25.6 ng/mL
Sensitivity	0.05 ng/mL
Specificity	No significant cross-reactivity was observed with Pregnenolone analogs

Assay time

75 min

PROTOCOLS

Product storage

Store at 2-8°C for up 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)

IVD: [Download instructions for use](#)

Detailed protocol

RUO: [Download instructions for use](#)

Product pictures



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Contact information

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To order, review, ask for technical support, visit product page at:

<https://www.immusmol.com/shop/pregnenolone-elisa-kit-i-fast-i-serum-samples/>