

# Pregnenolone ELISA kit | Fast | 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 $\beta$ -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, EDTA plasma
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<b>Sample volume</b>	50 $\mu$ l
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<b>Capacity</b>	96 tests
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<b>Sensitivity</b>	0.05 ng/mL
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<b>Range</b>	0/0.1 - 25.6 ng/mL
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<b>Assay time</b>	75 min
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<b>Reactivity</b>	Human
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## INFORMATIONS

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<b>Product name</b>	Pregnenolone ELISA
<b>Description</b>	<i>In vitro</i> diagnostics / Research enzyme immunoassay (ELISA) for the quantitative determination of pregnenolone in human serum.
<b>Labels</b>	IVD (EU only) or RUO, CE
<b>Format</b>	96-well plate
<b>Samples</b>	Serum
<b>Sample volume</b>	50µL
<b>Reactivity</b>	Human
<b>Standard range</b>	0/0.1 - 25.6 ng/mL
<b>Sensitivity</b>	0.05 ng/mL
<b>Specificity</b>	No significant cross-reactivity was observed with Pregnenolone analogs
<b>Assay time</b>	75 min

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## PROTOCOLS

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<b>Product storage</b>	Store at 2-8°C for up to 6 months
<b>Sample collection &amp; storage</b>	<u>Serum</u> : 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)
<b>Detailed protocol</b>	IVD: <a href="#">Download instructions for use</a> RUO: <a href="#">Download instructions for use</a>

## Product pictures

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### Pregnenolone ELISA FR-E-2700

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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/>