$PGF_{2\alpha}$ high sensitivity ELISA kit

Most sensitive $PGF_{2\alpha}$ ELISA kit available for prostaglandin research.

The $PGF_{2\alpha}$ high sensitivity EIA kit is a colorimetric competitive enzyme immunoassay kit with results overnight + 3 hours. Absorbance is read at 405 nm. Simply the most sensitive quantification fo $PGF_{2\alpha}$ commercially available in an enzyme immunoassay. Assay more samples without extraction.

Prostaglandin $F_{2\alpha}$ ($PGF_{2\alpha}$) is formed in a variety of cells from PGH_2, which itself is synthesized from arachidonic acid by the enzyme prostaglandin synthetase. $PGF_{2\alpha}$ is often viewed as an antagonist to PGE_2 due to their opposing effects on various tissues. $PGF_{2\alpha}$ is a potent bronchoconstrictor and has been implicated in asthma attacks. $PGF_{2\alpha}$ is also involved in reproductive functions including corpus luteum regulation, uterine contractions, and sperm motility. This has led to its use in terminating pregnancies and inducing labor at term. High levels of $PGF_{2\alpha}$ have also been associated with preeclampsia.

Citations: 8 View Online »

Ordering Information

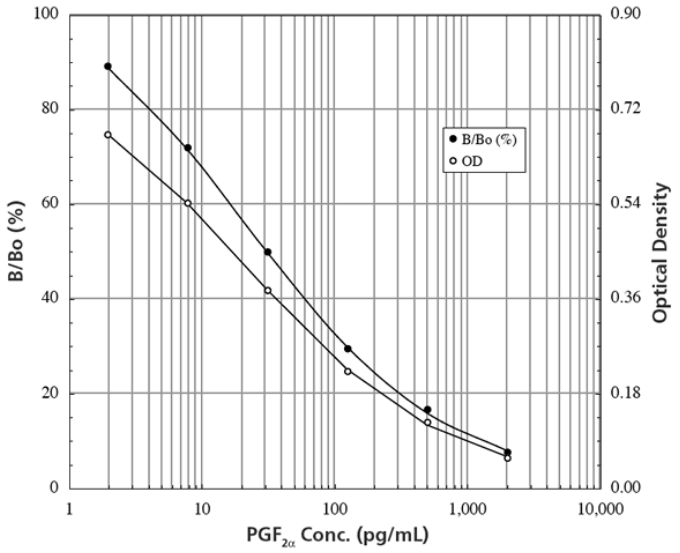
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ADI-930-069	96 wells

Manuals, SDS & CofA

View Online »

- Convenient - assay most samples without extraction
- Robust - fully validated in multiple complex sample matrices
- Results from up to 37 samples in duplicate per 96-well plate


100
80
60
40
20
0
B/Bo (%)
0.90
0.72
0.54
0.36
0.18
0.00
Optical Density
B/Bo (%)
OD
1
10
100
1,000
10,000
PGF2α Conc. (pg/mL)

Handling & Storage

Long Term Storage +4°C

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name	Prostaglandin F2α
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of $PGF_{2\alpha}$ in culture supernatants, milk, plasma, serum, saliva, and urine from any species.
Assay Time	Overnight + 3 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	DxS IgG Microtiter plate, Conjugate, Antibody, Assay buffer, Wash buffer concentrate, Standard, pNpp Substrate, Stop solution
Sensitivity	0.98 pg/ml (range 1.95 – 2,000 pg/ml)
Species Reactivity	Species independent
Wavelength	405 nm

Last modified: May 29, 2024

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