$PGF_{2\alpha}$ ELISA kit

The $PGF_{2\alpha}$ ELISA kit is a colorimetric competitive enzyme immunoassay kit

The $PGF_{2\alpha}$ EIA kit is a colorimetric competitive enzyme immunoassay kit with results in < 3 hours. Absorbance is read at 405 nm. Broad dynamic range is suitable for a wide variety of sample types. Ready-to-use liquid color-coded reagents are safe, non-radioactive, and reduce laboratory errors.

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: 37 View Online »

Ordering Information

Order Online »

ADI-901-069	5x96 wells

Manuals, SDS & CofA

View Online »

- Broad dynamic range suitable for many sample types
- Stable liquid color-coded reagents reduce errors
- Convenient storage conditions
- Results from up to 36 samples in duplicate in less than 3 hours
- Reproducible results day-after-day and lot-after-lot
- Save with bulk kit package!

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, plasma, serum, saliva, and urine from any species. Cited sample types include cell lysate and whole blood.
Assay Time	<3 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	DxS Microtiter plate, Conjugate, Antibody, Assay buffer concentrate, Wash buffer concentrate, Standard, pNpp Substrate, Stop solution
Sensitivity	6.71 pg/ml (range 3.05 – 50,000 pg/ml)
Species Reactivity	Species independent
Wavelength	405 nm

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