

P4^{FPA}Product #
P1001

Quantitative Milk Progesterone Assay

The **P4^{FPA}** is a quantitative diagnostic test based on the Fluorescence Polarization technology (FP). It is used for the detection of progesterone level in milk samples of cattle. **P4^{FPA}** is a simple, fast and accurate test.

P4^{FPA} IS A COW SIDE OR LABORATORY ASSAY

- Detection of proestrus (open cows) on day 19-21 of the cycle
- Detection of irregular estrous cycles
- Detection of pathological conditions of the corpus luteum and follicle (insufficiency, luteal or follicular cysts, non-cycling, persistent corpus luteum and other...)
- Supplemental method in synchronization

P1001**Cattle Milk Progesterone Test Kit, FPA**Trade Name **P4^{FPA}**

Technology Fluorescence Polarization Technology

Analyte Progesterone

Species Bovine

Samples Milk

Detection Type Quantitative

Ordering Info **P4^{FPA}**: P1001-250 • 250 tests kit
P1001-1000 • 1000 tests kit

Description Quantitative assay for detection of progesterone (P4) in milk samples of cattle. **P4^{FPA}** is fully run in solution, without binding to plastic or paper, without washing steps and in presence of alcohol, which helps to dissolve P4 out of milk. Test requires the use of FP readers. Test can be run cow side or in simple laboratories. **P4^{FPA}** is based on a patent pending technology developed by Ellie LLC.

**Instruments**

For reading the reaction you will need an FP instrument. Sentry 300 instrument is portable, battery powered field instrument that is reading one tube at a time. Sentry MPX is a high throughput laboratory microplate reader. **Instruments are available on loan or purchase, depending on your needs.**

**Bottom Line**

- Reduce the number of open days in cows
- Avoid the challenge of detecting a silent estrus
- Detect pathological conditions

P4^{FPA}*ellie*

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