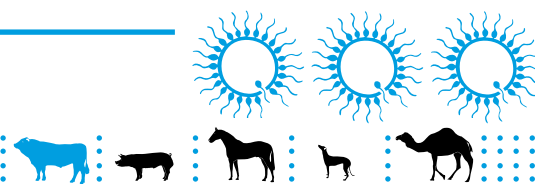


TECHNICAL REPORT

12 | 2009



eProCHECK® PROGESTERONE TEST KIT DATA

Description

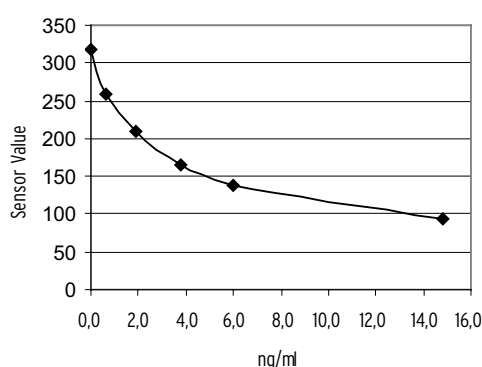
eProCheck is an automated progesterone (P4) analyser for ELISA-based assays to determine progesterone levels in raw milk or serum samples. Raw milk samples can be analysed without the need for prior extraction or further sample preparation.

Assay Range

The range of the assay is between 0.5 - 15 ng/mL

Standard Curve

Concentration (P4) ng/mL	Sensor value
0	318
0.6	259
1.9	210
3.8	165
6.0	138
14.8	93



Cross-Reactivity

Compound	Cross Reaction (%)	Compound	Cross Reaction (%)
Progesterone (P4)	100.00	Estrone	< 0.1
Cholesterol	< 0.1	17 α -Hydroxyprogesterone	< 0.1
17 β -Estradiol	< 0.1	11 α -Hydroxyprogesterone	< 0.1

Accuracy

Unadulterated Raw Milk:

Intra Assay Variation:		
Sample	Mean P4 (ng/ml)	CV (%)
1	3.7	6.6
2	8.3	12.8
3	22.2	5.3

Inter Assay Variation:		
Sample	Mean P4 (ng/ml)	CV (%)
1	3.8	10.9
2	8.1	6.4
3	22.3	12.6

High-Dose Hook-Effect

No hook effect was observed in this test.