W H Y Plron-gamma

High Sensitivity and specificity **Via Peptide Antigen**

Maximization of specificity and sensitivity by using a specific antigenic peptide of M.bovis, the causative agent of bovine tuberculosis [Patent Number: 102157770]

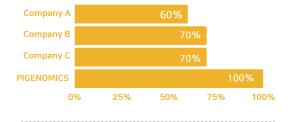
Diagnostic limits of PPD-B:

- Risk of false positive due to non-specific antigenic protein production during the producing process

-Sensitivity cannot be increased

*** Self-clinical test results**

⟨Test-positive rate of tuberculosis infected cows⟩



Introduction of Blood OC system through Mitogen

Improved reliability of diagnosis by confirming the validity of the sensitization process through mitogen that induces T cell mitosis

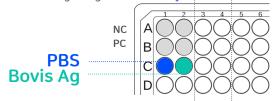


Piron-gamma TB ELISA kit

Cat No. PITB-F101Product. License number: No. 235-001 Packing Unit: 100Tests/1kit 300Tests/1kit

Up to 46 tests per plate

Efficient experimentation with a reduced protocol performed with only two sensitizing antigens in the Easy kit



*The above image is for illustration purposes only, and there is no color difference between the actual sensitization serum.

QUICK PROTOCOL

PRE-**PROCESS**

Blood 1ml

+ each antigen 50ul sensitization

(Antigen: M.bovis, PBS, Mitogen)



Plasma Collection Storage Period

- Up to 7 days refrigerated | Frozen up to 3 weeks

ELISA

Dilution Buffer 50ul + Plasma 50ul



30min 37°C Incubation

X 5 Washing

HRP Conjugate 100ul



30min 37°C Incubation

Substrate 100ul



30min Room Temperature

Stop Solution 100ul



Measure within 5 min

Microplate Reader

Measurement wavelength 450nm, reference wavelength 620nm

some images have been designed using resources from Flaticom,com

Meet simple and convenienct experiments through upgraded Plron - gamma kit Ver.2!



WHAT'S UPGRADED?

Medical devices for in vitro diagnostic analysis for animals Bovine tuberculosis diagnostic kit using Direct Sandwich ELISA technique



Piron-gamma Easy TB ELISA kit

Product Identification Number: 24257800

Packing Unit: 180Tests/1kit 300Tests/1kit 460Tests/1kit Extended Shelf Life

12 Months >> 15 Months

Shortened Testing Time

2hr 15min >> 1hr 30im

▶ Integrated Indicator Color



Increased Buffer Capacity

~150%



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- Innovative products for field use
- All reagents ready to use
- practical shelf life of 15 months
- Room temperature distribution guarantee
- Reducing product shipping costs
- Competitive pricing

Comparison of diagnosis kit for bovine tuberculosis disease using IGRA (Interferon Gamma Release Assay)

	Piron Gamma TB ELISA Kit (Pigenomics)	BOVIGAM™ TB Kit (Thermofisher-pironic)	IDvet PPD antigens & the ID Screen® Ruminant IFN-g ELISA (Idvet)
Antigen	Bovis specific peptide	PPD	PPD
Measured specificity	99%	99%	99%
Measured sensitivity (LOD IFN-g)	0.5ng/ml	5ng/ml	5ng/ml
Clinical specificity	99%	94%	99%
Clinical sensitivity	94%	85%	88%
Blood validation component (Pokeweed mitogen)	Include	Optional (Purchased separately)	Optional (Purchased separately)
Convenience	All reagents are ready to use	Some reagents must be diluted before use	Some reagents must be diluted before use
Packing size	300Test	150Test/450Test	192Test/384Test/960Test



