

Healvet



Equine Immunoassay Analyzer

HV-FIA 301 Pro

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System: Built-in Android System Software

Size: 9.84*3.7*2.56 inch (W*D*H)

Weight: 2.2 lbs

Input: 100V-240V/50-60Hz 2A

Output: DC 12V/5A

Wireless Communication: 4G, WIFI, Bluetooth

Battery: Removable rechargeable 18650 battery 3400mAh

Reagent kit



4-30 °C

Room temperature



24 months

Shelf life 24 months
(Except Progesterone 18 months)



3-15 mins

Test time



10 / 75µL

Sample volume



75µL

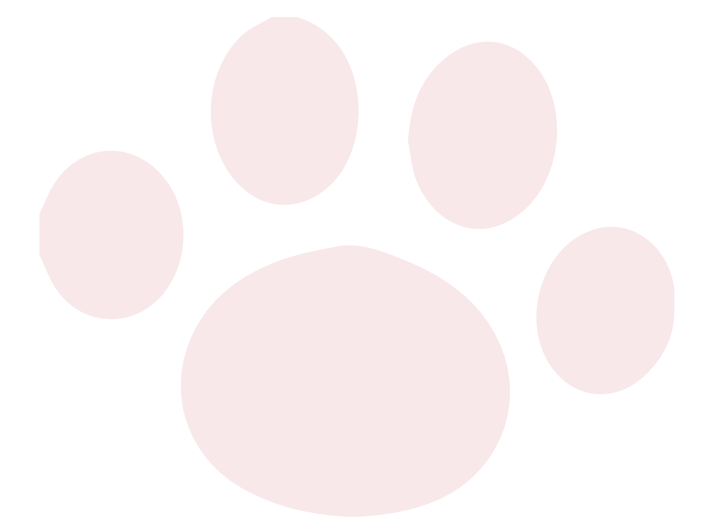
Mixture volume

Test for Equine



Product Category	Product abbr.	Sample type	Sample size	Reaction time
Equine	eSAA	Serum,plasma	10µL	5min
Equine	Foal IgG	Serum,plasma	10µL	10min
Equine	eProg	Serum,plasma	75µL	15min
Equine	eACTH	Serum,plasma	75µL	15min
Equine	eINS	Serum,plasma	75µL	15min

Foal IgG



Neonatal foals are initially agammaglobulinemic, relying on colostral intake for immunoglobulin G (IgG). Failure to absorb sufficient IgG within the first 24 hours results in low levels and high susceptibility to infection. The foal IgG test provides rapid, accurate results to promptly identify deficiency and initiate critical treatment.

Clinical Application

- Assessing immune levels of neonatal foals
- Evaluate the quality of the mare's colostrum after foaling
- Monitor the immune level serially



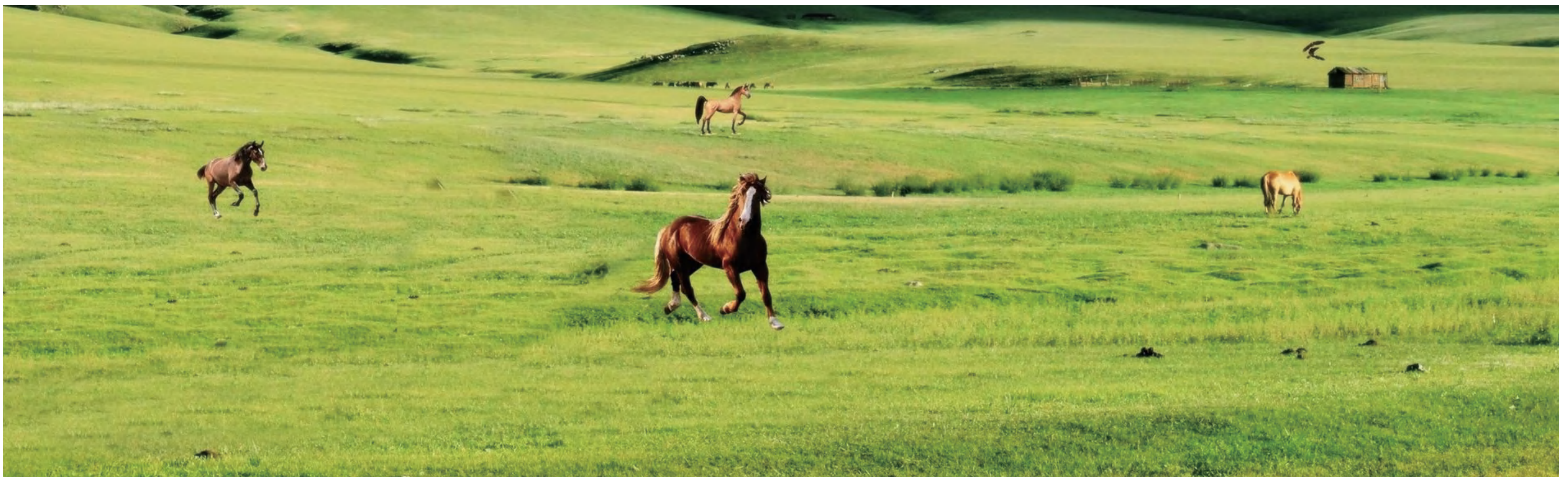
Sample type
Serum, plasma



Testing time
10 mins



Sample volume
10µL



eProg

Equine Progesterone

Progesterone is essential for maintaining pregnancy in mares until around day 120, when the placenta assumes this role. In non-pregnant mares, it aids in monitoring estrous cycles. The equine progesterone test kit allows for the quantitative, in vitro measurement of progesterone levels in serum or plasma, delivering fast and accurate results.

Clinical Application

- To predict estrus cycles in mares
- To predict progesterone levels in mares
- To track heat cycles
- To monitor and manage behavior



Sample type
Serum, plasma



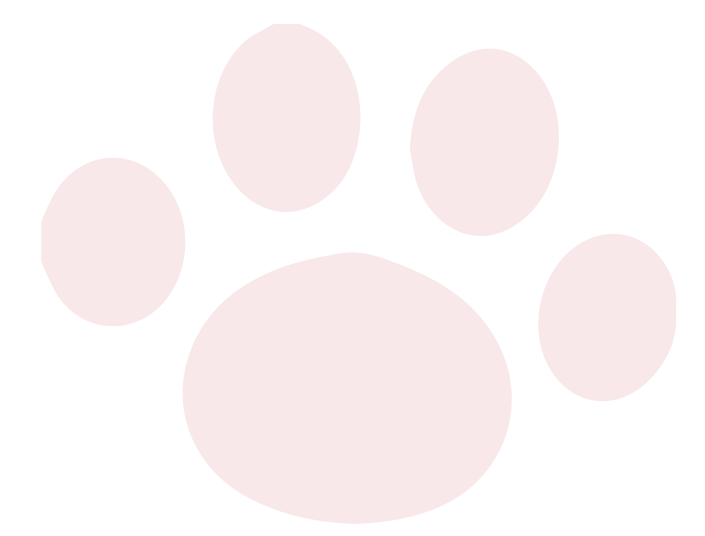
Testing time
15 mins



Sample volume
75µL

eSAA

Equine Serum Amyloid A



The Equine SAA Test Kit is designed for the quantitative in vitro determination of Serum Amyloid A (SAA) in equine serum and plasma. While SAA is present at minimal levels in healthy horses, its concentration rises rapidly in response to pathological conditions such as infection, tissue injury, or inflammation.

Clinical Application

- Monitoring post-operative effects and recovery after surgery
- Measuring the inflammation response to treatment
- Infection
- Gastrointestinal disease
- Reproductive disease
- Joint disease

Specific Clinical Application

SAA concentration increases in response to a number of clinical conditions in horses, such as sepsis, viral infections, arthritis, gastrointestinal and reproductive disease. Its measurement is also useful for the ongoing monitoring of treatment response.



Sample type
Serum, plasma



Testing time
5 mins



Sample volume
10µL

eACTH

Equine Adrenocorticotrophic Hormone

Equine Adrenocorticotrophic Hormone (eACTH), secreted by the anterior pituitary, stimulates cortisol production from the adrenal cortex to regulate stress response, metabolism, and immune function.

Clinical Application

- Pituitary Dysfunction Diagnosis
- Determine diagnostic thresholds for different seasons
- Dynamic Function Test Assistance
- Diagnose congenital adrenal hyperplasia
- Ectopic ACTH Syndrome Diagnose and treat ectopic ACTH syndrome



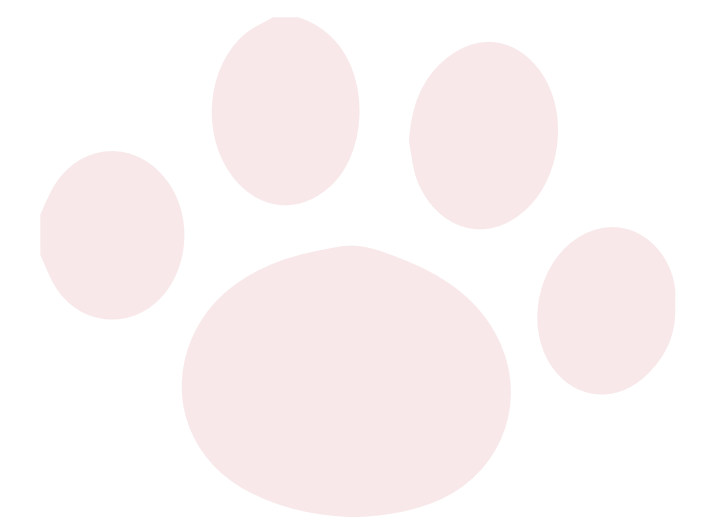
Sample type
Serum, plasma



Testing time
15 mins



Sample volume
75µL



The Equine Insulin Test Kit quantifies insulin levels to identify insulin dysregulation, assess Equine Metabolic Syndrome (EMS), and evaluate laminitis risk. It is also recommended for horses suspected of having Pituitary Pars Intermedia Dysfunction (PPID) to gauge their risk of laminitis.

Clinical Application

- Obesity, especially "cresty neck" or regional fat deposits
- Recurrent or unexplained laminitis
- Suspected EMS or PPID
- Routine screening for high-risk horses
- Monitoring response to insulin therapy



Sample type
Serum, plasma



Testing time
15 mins



Sample volume
75 μ L





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