

# MINI-PET

Portable device for ESR testing  
in veterinary practice.



**DIESSSE**  
VETERINARY



## A **simple** but important **test** for the monitoring of **animal health.**

Erythrocyte sedimentation rate (ESR) is a simple blood test used to identify inflammation in the body. The test measures the rate at which erythrocytes settle in a test tube containing a sample of anticoagulated blood, within a pre-established timeframe, and the result is expressed in millimetres per hour.

The higher the ESR value measured, the greater the inflammatory activity.

### A high erythrocyte sedimentation rate may be found:

- In inflammatory diseases (particularly infectious, rheumatic and systemic autoimmune diseases)
- Myocardial infarction
- Anaemia
- Cancer-related

ESR measurement is also useful in the monitoring of treatment for chronic rheumatic inflammatory diseases.

- Test performed on same blood sample used for full blood count
- Minimum acceptable volume: **0.5 ml** of blood anticoagulated with EDTA
- Up to 4 results simultaneously in just **8** (Horse) or **14 minutes** (Dog and Cat)
- Test can be performed in clinic or at patient's home
- Species-specific normal-value ranges (Dog, Cat and Horse as well as two customisable ranges)
- Objective reading of results via optoelectronic sensors
- Stores up to 5,000 results



## NO DEDICATE TUBE

- Compatible with all the most widely available tubes used for full blood count (EDTA) on the market, including paediatric formats
- Test performed on same blood sample used for full blood count , with less discomfort for the animal
- No blood withdrawn from sample tube
- No reagent required
- No waste liquid production
- Designed for maximum user safety
- No extra costs for special waste disposal



## EASY TO USE

- Continuous loading of samples
- Touch-screen interface and intuitive software
- Bidirectional connection to host computer
- Data can be exported to a smartphone or tablet via dedicated app
- Powerable by long-life power bank

# TECHNICAL SPECIFICATIONS

**POWER SUPPLY**  
9Vdc@2A

**DIMENSIONS**  
135 x 191 x 125 mm (w x h x d)

**WEIGHT**  
1.5 Kg

**OPERATING TEMPERATURE**  
5°C to 40°C

**STORAGE**  
5°C to +45°C

**RELATIVE HUMIDITY TOLERANCE**  
From 20% to 80% without condensation

**CENTRAL UNIT**  
Microprocessor  
ARM Cortex-M4 180MHz

**DISPLAY**  
480x272 TFT 16.7 Million colours + Resistive Touch Panel

**TUBE HOLDER**  
Contains 4 recesses for the relative **tubes**

**OPTICAL UNIT**  
4 pairs  
of solid-state opto-electronic elements  
(photodiode + phototransistor)

**INTERFACE**  
Bluetooth 4.0 for external printer or mobile connection (dedicated app on request)  
USB Host for external mass memory  
USB to RS232 adapter for external barcode reader

# DEVICES AND ACCESSORIES

MINI-PET

TEST DEVICE PET

BLUETOOTH MINI-PET PRINTER

EXTERNAL BAR-CODE READER

MINI-PET USB TO SERIAL ADAPTER

ESR CONTROL CUBE

MINI- PET POWER BANK

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