Reagents needed to the 5-diff analysis:

- Follows the Drabkin method (2) by a powerful haemoglobin reducer (Potassium Diadiff VET also contains a haemoglobin stabilizer. The haemoglobin measurement involves the leucocyte population. It also contains a nucleating agent allowing the volumetric conductivity are detected and recorded. Diadiff VET breaks the cytoplasmic membrane of red blood cells and some white cells (platelets). Diatergent VET is an active and passive cleaning agent that cleans the parts of the tanks and counting holes of the DLB3 VET /DLB5 VET analysers. It performs a mechanical partition of the red cells/platelets and white cells. This allows differentiation (lymphos, monos, granulos) in veterinary blood.

The blood sample to be analysed should be collected in a collection tube containing an anticoagulant (e.g. Sodium Fluoride <1 %) and a preservative (e.g. Preservative). It is recommended to carry out the analysis no earlier than 30 minutes and no later than 8 hours after collection.

**TEST PRINCIPLE**

The combination of the haematology solutions with the DLB3 VET /DLB5 VET analysers is essential before any analysis, according to the instructions of the supplier.

**SPECIMEN COLLECTION AND STORAGE**

- Avoid any intensive aspiration when collecting the blood sample to avoid haemolysis, which can influence the results of the haematology analyser. Also reduce the sedimentation time to avoid microaggregation problems.
- The blood sample to be analysed should be collected in a collection tube containing EDTA K3 anticoagulant (3). The use of the sampling tube must be carried out according to the instructions of the supplier.
- A gentle and prolonged homogenization of the blood/anticoagulant mixture is essential before any analysis, according to the instructions of the supplier.
- It is recommended to carry out the analysis no earlier than 30 minutes and no later than 48 hours after collection.

**TEST PROCEDURE**

A detailed description of the installation/replacement of the reagents is available in the user manual of the relevant analyser.

**INTERPRETATION OF RESULTS**

For further information please see the manual of the used analyser.

**QUALITY CONTROL AND CALIBRATION**

We recommend to use the GR&D haematology controls. The lot specific values and ranges are available on our website.

**LIMITATIONS**

Several substances can interfere with the results:
- Analgesic derivatives of procaine ester
- Medication with anticoagulant actions: Oral anticoagulants (antivitamin K, Antithrombin III and IV)
- High volume cortisone treatment
- High lactose serum
- Lipemic or haemolysic serum can also affect results

### WASTE MANAGEMENT

Please refer to local legal requirements.

### LITERATURE


### USED SYMBOLS

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>☀️</td>
<td>Keep out of sunlight.</td>
</tr>
<tr>
<td>☔️</td>
<td>Keep dry.</td>
</tr>
<tr>
<td>🖔</td>
<td>Dispose of the tests and packaging appropriately</td>
</tr>
<tr>
<td>⚠️</td>
<td>Warning</td>
</tr>
</tbody>
</table>

- 25 °C
- 15 °C