Sample Handling Methods

SYRINGE SIZE GUIDE

<table>
<thead>
<tr>
<th>SMALL BREED (adult weight up to 10kg)</th>
<th>MEDIUM BREED (adult weight 10-30kg)</th>
<th>LARGE BREED (adult weight 30-60kg)</th>
<th>GIANT BREED (adult weight over 60kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25g</td>
<td>22g</td>
<td>20g</td>
<td>18g</td>
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*Remove needle before dispensing to avoid hemolysis.
*Dispense slowly into sample tube.

*Use plasma for dehydrated patients or allow to settle for 5 minutes and draw off top of the sample.
*Use centrifuge to separate blood from plasma.

TEST TUBE COLOR CHART

- **BLUE TOP**
  - CITRATE anticoagulant for coagulation only
- **RED TOP (IF NECESSARY)**
  - NO anticoagulant for chemistry only
- **GREEN TOP**
  - LITHIUM HEPARIN anticoagulant for chemistry only
- **PURPLE TOP**
  - EDTA anticoagulant for hematology only

**FILL SAMPLES IN CORRECT ORDER**

Always fill samples in correct order to avoid contamination. Green top tubes should never be placed on a test tube rocker.

TEST TUBE HANDLING

Hematology samples must be inverted 10-15 times before use

Using chemistry samples contaminated with EDTA severely effects results, most notably CA and K+. Samples, stored at room temperature, should be used within one hour for lithium heparin, 3-4 hours for EDTA samples.

COMMON PROBLEMS WITH TEST RESULTS DUE TO SAMPLE QUALITY

- **HEMOLYSIS**
  - broken RBC’s distorts analyte values - causes pink plasma
- **LIPEMIA**
  - lipemia interferes with all chemical reactions and milky plasma distorts light absorption
- **ICTERUS**
  - excessive bilirubin pigments - causes yellow plasma

**remind your clients to NOT feed their pets for 4-6 hours prior to their appointment to avoid lipemia**

ABAXIS BETTER, ACTUALLY.

For Ordering Information: 800-822-2947 or vetscan@abaxis.com

www.abaxis.com