# Daily Quality Controls

**Materials required:**

One 2.5-ml vial of Minotrol-16 control solution.  This solution should be stored in the refrigerator (never frozen) and brought to room temperature just before use by rolling gently between the hands until the RBC sediment is completely suspended.  Do not shake or place on a blood rocker.  After use, wipe the threads and cap of the vial with a KimWipe, then recap tightly and return to the refrigerator.  Minotrol is stable until the printed expiration date if unopened and for 16 days once opened.

**Quality Control procedure:**

1.  After the STARTUP cycle is complete, program the instrument to run the control solution.  Insert the "Blood Control" SmartCard into the slot, then move the cursor to function **2)  VETERINARY** and press **ENTER**.  The display should read **TYPE: BLOOD CONTROL**.  Press **ENTER** again to verify the card type.  The instrument then downloads the programming necessary for analysis of the control material.

2.  Press the **ID** key.  At the **PAT ID?** prompt, enter a number or name (i.e. "CONTROL") by using the keypad for numbers or the **UP** and **DOWN** arrows for letters.  If letters are used, press **ENTER** after each entry to advance to the next letter.  Press **ENTER** when the entry is complete to save the identification.

3.  Gently invert the Minotrol vial for a minimum of 3 minutes, then place the sample probe into the vial and press the white sample bar behind the needle.  The analyzer aspirates the required amount of solution and analysis begins.

4.  After about 90 seconds the results are displayed.  Compare the values obtained with the target values provided with the Minotrol solution.  Use the lot specific values given for the scil Vet ABC analyzer and the level of control (low-blue, normal-green, high-red).

5.  If the results fall within the target ranges, the analyzer is ready to run patient samples.

6.  If any values fall outside the target range, mix and run the Minotrol solution again and compare the new values.  If results are still outside the target ranges, call Technical Support for assistance.