

Madison County Department of Emergency Medical Services

Standard Operating Guideline



Title	Glucometer Controls
Number	039
Adoption Date	1/1/07
Revision Date	3/02/09
Approved by	Lewis Jenkins, EMS Director

Purpose:

This guideline outlines the procedures for calibration and operation of the Madison EMS agency glucometers.

Policy:

All Madison EMS-owned glucometers shall undergo an quality control (QC) every other week, with results documented on the Acsensia Quality Control Test form.

A. QC Test

1. This should be done in accordance with the instructions set forth by the manufacturer.
2. Troubleshooting –
 - a. Change QC solutions if discolored or expired. (If new solutions must be used, make a note on the existing form, place in the Lieutenant's box and begin a new form)
 - b. Repeat test
 - c. See manufacturer manual under "troubleshooting guide" and follow their recommendations
 - d. Change batteries
 - e. Take glucometer out-of-service, notify Lieutenant

B. Blood-Glucose Test

1. Clean appropriate site with alcohol swab. Keep in mind that capillary blood provides the most accurate blood-glucose reading, venous blood samples can be off by +/- 20 mg/dL.
2. A small drop of blood should be formed by releasing a lancet against the properly cleansed site.
3. Hold the end of the sample portion of the strip against the drop of blood until the machine begins to count down from 5 seconds.
4. After 5 seconds the results will be shown on the screen, an appropriate dressing should be applied to the lancet site, the value of blood-glucose concentration should be documented and the lancet and test strip should be disposed of in the proper container.