

Calibration Guidelines

Policy:

The following visual and qualitative tests performed at **(enter agency name)**, do not require any form of calibration.:

- Urinalysis (visual only)
- Pregnancy
- INSTI Rapid HIV
- Determine HIV Combo
- KOH
- Gram Stain
- Strep Group A
- Influenza A+B
- Urine Drugs of Abuse
- Occult Blood
- Rapid Syphilis
- Rapid HCV

The following quantitative tests performed at **(enter agency name)**, do require some form of calibration.:

- Glucose - HemoCue
- Hemoglobin - HemoCue
- HbA1c – Afinion
- Lead – LeadCare II
- Urinalysis – Clinitek Status

Procedure:

Glucose

The HemoCue is factory calibrated according to a wet chemistry glucose dehydronase method using hemolysis and deproteinization.

Hemoglobin

The HemoCue is factory calibrated against the hemoglobincyanide (HiCN) method, the international reference method for the determination of hemoglobin concentrations in blood.

HbA1c

The Afinion AS100 analyzer is factory calibrated against a reference system.

Test specific data are established for each lot of Test Cartridges and then stored in the barcode label. When the Test Cartridge enters the analyzer, the integrated camera reads the barcode. The calibration data for the actual lot are transferred to the analyzer and used for calculating the results.

Lead

The LeadCare II analyzer must be calibrated to the lot of sensors to ensure accurate results. Each LeadCare II Test Kit comes with 48 sensors and a calibration button. The button transfers calibration and expiration information to the analyzer. (For details on performing the calibration, refer to the Calibration Section of the Procedure).

Calibration Guidelines

Urinalysis

The Clinitek Status performs a system test each time it is turned on. Then, each time a test is run, the instrument automatically calibrates. The white calibration bar (on the test table) provides NIST traceable calibration.