STEP 1.
Fill the tube with the patient sample up to the mark between the two lines, mix, then cap.

STEP 2.
Position tube in the rotor.

STEP 3.
Press start button.

STEP 4.
Patient results display on the LCD screen and also print out for filing in patient chart.

Operating Ranges

Hematology Parameters measured with the **QBC STAR™** system are valid over the following range of values:

Hematocrit	15-65%
Hemoglobin	5.0-20.0 g/dL
Platelet Count	20-999 x10^3/L
WBC Count	1.6-99.9 x10^3/L
Granulocyte Count	0.8-70.0 x10^3/L
Lymph/Mono Count	0.8-99.9 x10^3/L

Table 1

Accuracy comparing the **QBC STAR** system with the Coulter® STKS or Sysmex™ K1000.

Parameter	Correlation Coefficient	Slope	Intercept	QBC Mean	Cell Counter Mean	Range of Values	Number of Samples
Hematocrit (%)	**0.983**	**0.973**	**2.572**	**36.5**	**34.8**	**15.7-61.7**	**646**
Hemoglobin (g/dL)	**0.984**	**0.982**	**0.387**	**12.1**	**12.0**	**5.2-18.5**	**638**
Platelet (x 10^3/L)	**0.962**	**0.935**	**17.701**	**244**	**242**	**23-913**	**558**
WBC (x 10^3/L)	**0.974**	**1.124**	**-.936**	**10.4**	**10.1**	**1.6-92.9**	**535**
Granulocyte (x 10^3/L)	**0.972**	**0.991**	**0.152**	**7.0**	**7.0**	**0.8-45.0**	**535**
Lymph/Mono (x10^3/L)	**0.987**	**1.206**	**-.419**	**3.3**	**3.1**	**0.8-89.9**	**535**

Table 2

Accuracy comparing the **QBC STAR** system against the international microhematocrit reference method.

Parameter	Correlation Coefficient	Slope	Intercept	QBC Mean	Reference Mean	Range of Values	Number of Samples
Microhematocrit (%)	**0.986**	**1.023**	**-.650**	**36.5**	**36.3**	**15.7-61.9**	**646**

Table 3

Precision data on typical within-run precision tests in the **QBC STAR** system are shown in the two tables below. The precision data represent the analysis of eleven whole blood specimens, each assayed in replicates of ten.

Parameter	Mean Value	Mean % CV
HCT (%)	**41.7**	**2.0%**
HB (g/dL)	**14.0**	**1.9%**
PLT (x 10^3/L)	**235**	**6.0%**
WBC (x 10^3/L)	**6.0**	**6.4%**

Parameter	Range	Max S.D.
GRAN (%)	**38-79**	**3.2**
LYMPH/MONO (%)	**21-63**	**3.2**

Ordering Information

QBC STAR™ Centrifugal Hematology System.....429000

QBC STAR™ Blood Collection Tube.....429625

QBC Diagnostics

QBC Diagnostics
200 Innovation Blvd, Suit 212
State College Pa, 16803
Tel: 800.231.3115

www.qbcdiagnostics.com

The **QBC STAR™** System

The Simple Solution for In-Office CBC Testing

QBC Diagnostics

UNRIVALED SIMPLICITY

The QBC STAR™ Centrifugal Hematology System — the simplest solution for in-office CBC testing. An innovative approach employing dry hematology reagents instead of the bulky reagents utilized by other methods. Nothing less than a revolution in the way your in-office laboratory can perform CBC testing — more easily, more efficiently, virtually hassle-free.

Exceptional Ease of Use

And when it comes to operation, the QBC STAR system brings new meaning to the word simple. Unprecedented ease of use with one step, one button operation — that's how simple a fully automated CBC analysis can be with the QBC STAR system. With minimal training, non-technical personnel can perform a CBC test with accuracy.

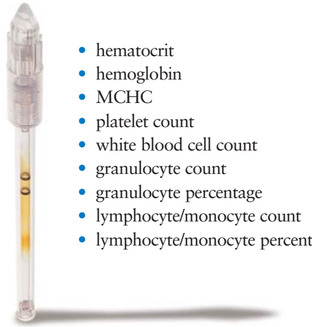
The QBC STAR Centrifugal Hematology system brings new meaning to the word simple.

No user calibration is needed. Ever. And maintenance is virtually unnecessary with the QBC STAR system. With every sample processed, the QBC STAR system checks calibration.

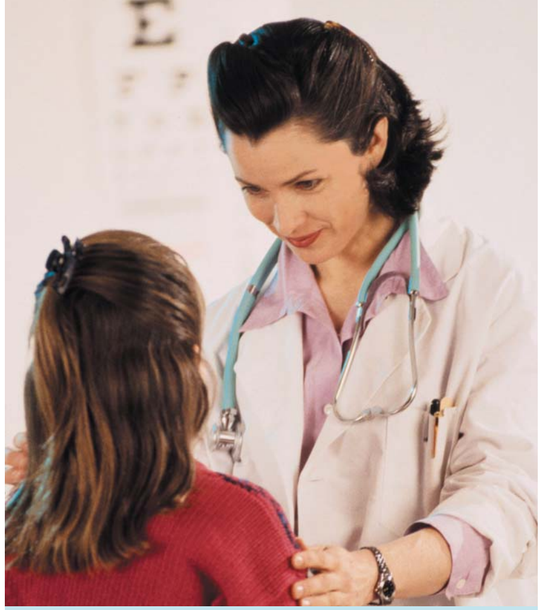
Collection and Analysis Combined

The QBC STAR™ Centrifugal Hematology system can change the way your in-office laboratory collects and analyzes samples. The difference lies in the QBC STAR tube. It's flexible enough to use for both venous or capillary samples. And unlike other hematology systems, when performing a finger puncture you can use the QBC STAR tube as the single vehicle for collection and analysis. It's the dry reagents contained in the QBC STAR tube that facilitate testing and analysis — safely, accurately and without the liquid reagents and the liquid biohazard waste of impedance systems. The clinician simply fills the safety tube with the patient's blood sample and places it in the instrument. After analysis, the QBC STAR system displays nine clinically significant parameters, both on the LCD screen and on a hard copy printout for your records.

The QBC STAR System Measures the Clinically Significant Parameters Most Requested by Physicians:



- hematocrit
- hemoglobin
- MCHC
- platelet count
- white blood cell count
- granulocyte count
- granulocyte percentage
- lymphocyte/monocyte count
- lymphocyte/monocyte percentage



Safety, Peak Performance and Cost Savings

The QBC STAR™ Centrifugal Hematology system is the safe, cost-effective advantage that can simplify CBC testing in your office. Why not reduce the time, steps and hassles involved in CBC testing? The QBC STAR System — one more reason that QBCleads the industry in providing solutions that improve healthcare worker safety, simplify workflow processes and reduce medical errors.

QBC STAR Tube
Enlarged to show detail