

# Chempaq XBC

Multiplatform Analyzer

**Hematology Made Simple,  
Results in 2 minutes.**

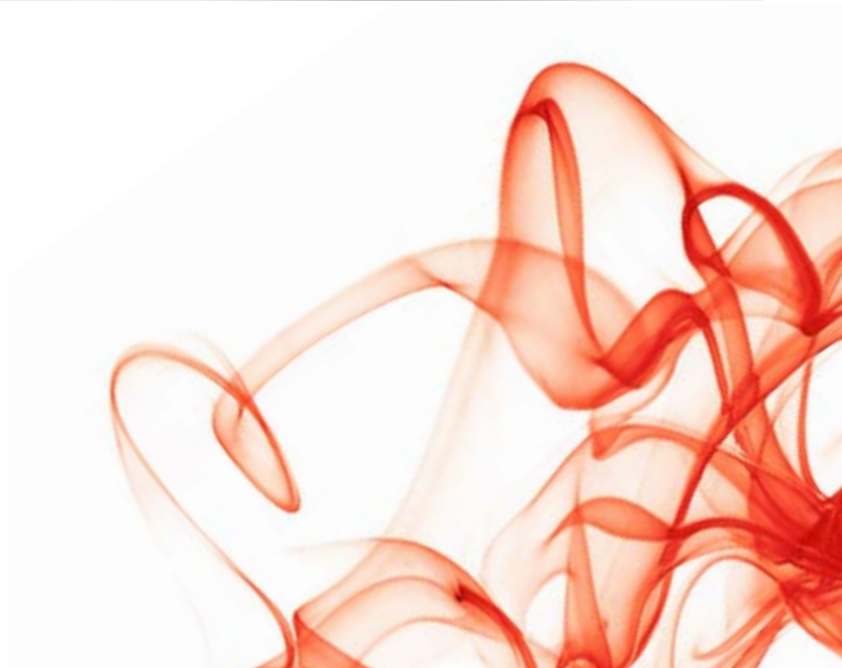
## The Idea:

The Chempaq Solution is comprised of a portable Analyzer designed to analyze a single-use test cartridge (the PAQ). Each PAQ is self-contained and includes all the required reagents for one single test.



## 3 different tests on the same platform

1. Leucocytes and Three-part differential count
  - Granulocytes, Lymphocytes, Monocytes
  - Hemoglobin
2. Comprehensive Anemia Profile
  - RBC, HGB, HCT, MCV, MCH, MCHC
3. Hemoglobin as a single measurement



## Key Facts:

### Multiplatform Analyzer solution

- Designed to fit the limited space of a doctor's office
- Run 3 tests on the same analyzer

### Easy to operate

- Automatic test procedure
- Unsurpassed simplicity and complete mobility
- Requires only one single drop (20 µl) of whole blood
- No external reagents are required
- Zero maintenance

### Precise and reliable

- Precision and accuracy comparable to reference laboratory test
- Self-calibrating each time a test is run
- Build on 'Gold Standard' technology - based on Coulter principle
- Unsurpassed meantime between failure

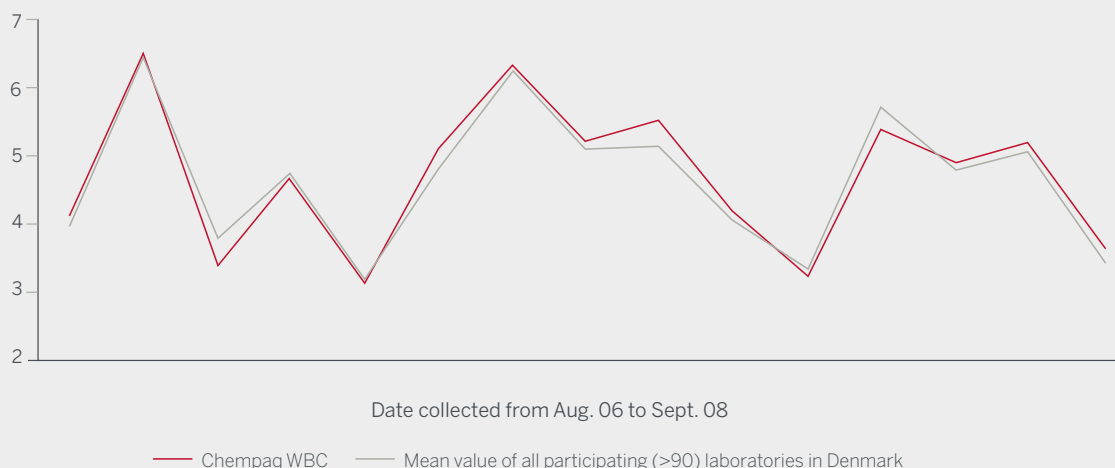
### Rapid diagnosis and treatment

- Results in 2 minutes
- Immediate clinical assessment of infection and anemia



## WBC results of proficiency testing in Denmark 2006 - 2008

Chempaq XBC is currently controlled by DEKS (Danish proficiency testing agency) to secure, that the Chempaq XBC performance is comparable to its peer group (central laboratories), that are also controlled by DEKS.



## How to run a test

### 1. Collect the blood sample – and fill the PAQ



Venous Blood Sample



Capillary Blood Sample

Sophisticated  
hematology  
diagnosis and testing  
made simple

### 2. Run the test



Press the START button



Insert the PAQ and run the test



Testing time is approximately 2 min

### 3. Read the results



WBC (White Blood Cells) count  
Leucocyte- and differential profile  
HGB Units: g/dL



RBC (Red Blood Cells) count  
Comprehensive anemia profile  
HGB Units: g/dL



Hemoglobin as a single  
measurement

## Specifications:

### Analyzer Specifications:

<b>Dimensions (LxWxH)</b>	30 cm x 18 cm x 13 cm / 12 x 7 x 5 inches
<b>Weight</b>	1,9 kg (4 pounds)
<b>Electrical</b>	120-240v ~ 50-60 Hz 400 mA
<b>Operating Temp</b>	16°C - 35°C / 61°F-95°F
<b>Storage Temp</b>	4°C - 30°C / 40°F-86°F
<b>Operating Humidity</b>	10-70% non-condensing
<b>Storage Humidity</b>	20-85% non-condensing
<b>Calibration</b>	Automatically before each measurement
<b>Self Test</b>	Automatic
<b>Interface</b>	Optional Serial Printer
<b>Adapter</b>	Optional 12V adapter for field testing
<b>Barcode</b>	Optinal Barcode Scanner

### Optional Quality Controls:

- Quality Control Cartridge (QCC) a reusable control cartridge, that tests analyzer components
- Liquid Quality Control (LQC) – low, normal and high values
- Linearity Test (LIN) using linearity material

### PAQ

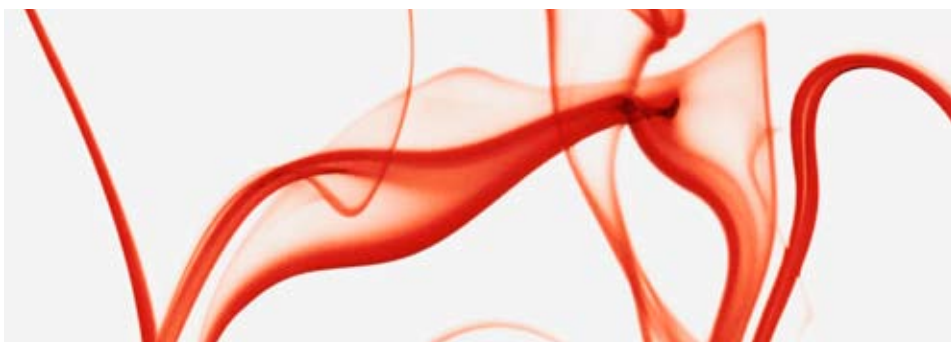
<b>Dimension:</b>	13 mm x 61 mm x 41 mm / ½ x 2½ x 1½ inches
<b>Weight:</b>	20 g (1,5 ounces)
<b>Shelf life (wrapped):</b>	4 months at 4°C - 25°C / 40°F - 77°F 1 bar, 70% relative air humidity
<b>Shelf life (unwrapped):</b>	24 hours at 4°C - 25°C / 40°F - 77°F



## The Patient Focus – clinical relevance and more effective use of antibiotics

The world is facing wide problems with antibiotic-resistant bacteria and the epidemic increase in antibiotic-resistant *Streptococcus pneumoniae* has been recognized as an ambulatory care problem.

Excessive use of antibiotics in ambulatory practice has contributed to the emergence and spread of antibiotic-resistant bacteria in the community. For example, penicillin resistance in *Streptococcus pneumoniae* has increased to epidemic proportions in the past 10 years.



### Read more!

Have a look into [www.chempaq.com](http://www.chempaq.com) - this website will introduce you to much more relevant information about Chempaq.

Study the Chempaq training video - this will give you a perfect insight in the Chempaq test universe.

Welcome!