

# HumaCount System Line

A Better Way to Connect. A Better Way to Work.

- > Integration into hospital management system
- > 2D barcode target transfer range
- > Anti-Clogging Technology

CoreLab DX

## HEMATOLOGY



Thousands of HumaCounts  
Installed Worldwide



Analyzer

Efficiency  
Reliability  
Integration

Control +  
Calibrator

Reagents



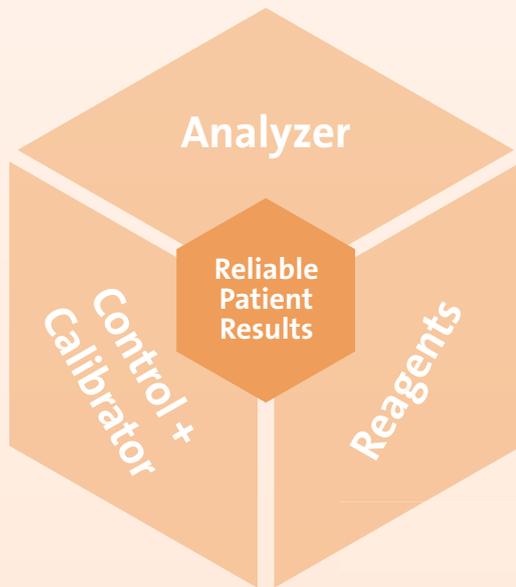
**Human**

Diagnostics Worldwide

# HumaCount System Reagents

## Validated High Quality Reagents from HUMAN

- > Dedicated reagents from a single source
- > Closed system with reagent key
- > Environmentally safe reagent



### Hematology Quality Concept

Perfectly matching analyzer, dedicated reagents and controls offer maximum reliability and efficiency

### Color Coding for Reagents

- > Easiest handling and safe guidance



### HC-Control

- > 2D barcode for error-free upload of target values
- > Successfully used around the world for many years

### HC-Calibrator

- > The calibrator should be used
  - if controls are out of the target range
  - after repairs or extensive service
  - to confirm correct patient values



## 3-Part System Reagents

### Reagents REF

HC-Diluent 17400/11

- > High shelf life, 36 months
- > Contains 20l

HC-Lyse CF 17400/22

- > Cyanide-free reagent, environmentally safe
- > Contains 2 x 1l

HC-Cleaner 17400/31

- > High-quality cleaning agent
- > Contains 1l

### Quality control

REF

HC-Control 17400/40

- > Hematology control blood
- > 3-part differential instruments
- > Stable up to 21 days after opening
- > 3 x 2.5 ml, levels 1, 2, 3

HC-Calibrator 17400/50

- > Hematology calibrator blood
- > Stable up to 7 days after opening
- > 1 x 2 ml

## 5-Part System Reagents

### Reagents REF

HC5L-Diluent 16430/20

- > Specially designed for HumaCount 5L instruments
- > Contains 20l

HC5L-Lyse CF 16430/30

- > Cyanide-free reagent, environmentally safe
- > Contains 5l

HC5L-Diff 16430/40

- > Dedicated baso analysis
- > Contains 1l

### Quality control

REF

HC5L-Control 16430/50

- > Hematology control blood
- > 3 levels, multi-parameter
- > 2 x 3 x 3 ml

CD Diff Control\*\* 3838

- > 3 levels, multi-parameter
- > 2 x 3 x 3 ml

HC-Calibrator 17400/50

- > Hematology calibrator blood
- > Stable up to 7 days after opening
- > 1 x 2 ml

## Made in Germany

Produced in our production facility

Magdeburg, Germany



# Automated Hematology Systems

## Setting a New Benchmark in Efficiency

### 3-Part Differential Systems

#### HumaCount 80<sup>TS</sup> | 30<sup>TS</sup>

Advanced Technology for Every Day Routine



Surprisingly Fast



22 Parameters. No One Has More.

HumaCount 80<sup>TS</sup> REF 16420/80

- > 2 measuring chambers ≈ 80 samples/hour

HumaCount 30<sup>TS</sup> REF 16420/30

- > 1 measuring chamber ≈ 30 samples/hour

#### One concept—two instruments

- > Ideal backup instrument for 5-part, cost-efficient and fast
- > Sample volume 25 µl
- > Automatic sample dilution
- > Diagnostic flags
- > Level determination for reagent and waste
- > Anti-Clogging Technology
- > Built-in printer and USB printer interface
- > Multiple languages installed
- > Memory for 10,000 samples incl. histograms
- > Integrated QC program
- > Optional rechargeable battery and solar panel (remote care)



Remote Care Capability

#### Accessories

2D-Barcode Scanner	16430/11
HumaPower (rechargeable battery)	18965/12
Human SolarCharge	18965/14
HumaRoll (tube roller)	15460

WBC
GRA%
MID%
LYM%
GRA
MID
LYM
RBC
RDWsd
RDWcv
MCHC
MCH
MCV
HCT
HGB
PLT
P-LCR*
P-LCC*
PDWsd
PDWcv
MPV
PCT

## 5-Part WBC Differential System

**HumaCount 5L**  
5-Part-Laser Technology



Case Study Book



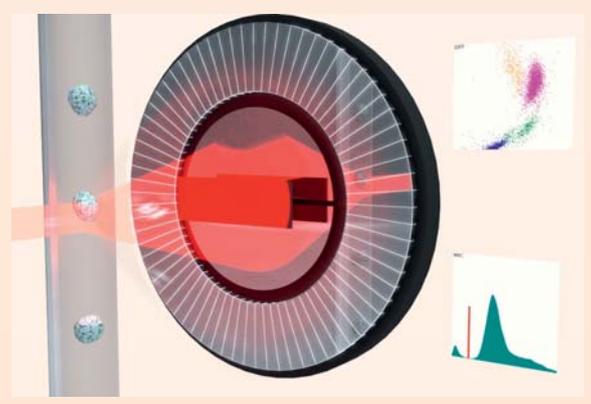
HumaCount 5L



Movie

**HumaCount 5L** REF 16430

- > 60 samples/hour
- > Laser-flow cell
- > Anti-Clogging Technology
- > 110 µl sample volume  
25 µl sample volume with small sample module
- > Automated predilution
- > Closed and open tube sampling
- > Flag for immature granulocytes and large blasts
- > Impedance method for standard parameters
- > Multilingual user interface
- > USB printer interface
- > Memory for 100,000 samples incl. histograms
- > Built-in QC software



Laser-flow cell, 5-part Diff WBC

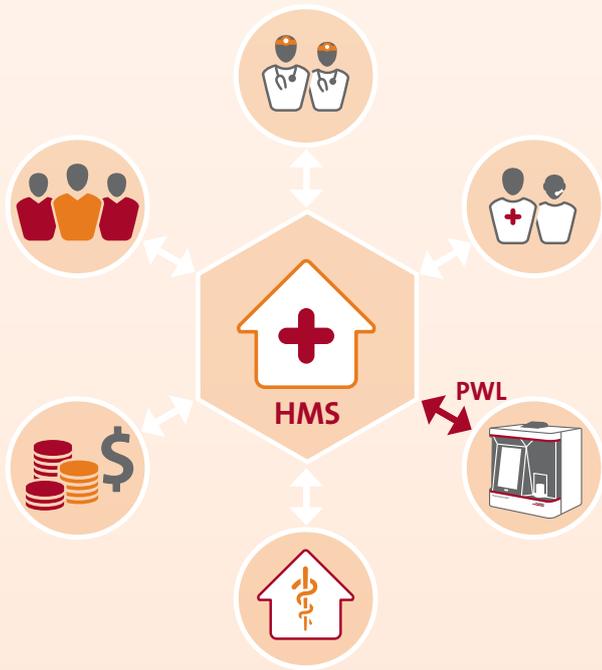
<b>Accessories</b>	
Small Sample Module	16430/12
2D-Barcode Scanner	16430/11
HumaRoll (tube roller)	15460

<b>Autosampler (optional)</b>	REF 16430/10
> Capacity 100 samples (10 racks)	
> Sample barcode reader	
> Built-in mixer	

\*research parameter only

# HumaCount System

Validated Technologies You Can COUNT on



## Integration into Hospital Management System (HMS)

- > Connectivity via LIS/HL7 interface
- > Process of patient worklist (PWL)
  - Accepts patient worklist form HMS
  - Automatic recording of samples
  - Automatic mapping of results to patient ID
  - Return of patient results with PWL to HMS
- > Digital data management of control/calibrator

## Target Value Transfer by Barcode

- > Target values of controls and calibrator
- > Avoid input of data errors
- > Ensuring reliable accurate patient results



## Anti-Clogging Technology

Unique in its Class

- > Reduced clogging rates by high energy burst
- > Burn away of proteins at each measurement cycle
- > Low cleaner consumption
- > Steady workflow with reliable cell counting