

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

## Results you can count on

- › Automation, for assistance where you need it
- › Clear, logically arranged interface
- › Reliable and robust, proven worldwide

CoreLab DX

### HEMATOLOGY



**Human**

Diagnostics Worldwide

# 3-part differentiation

## Automated analysis reduces the need for blood smears

### 3-part diff is sufficient in most clinical cases

A CBC (complete blood count), also known as a FBC (full blood count), is usually the first test requested by physicians to assess general patient health. The CBC can be used to detect a wide range of pathological states including anemia, infection and hematological malignancy, as well as for the monitoring of cancer patients undergoing chemotherapy.

Of the parameters included in the FBC (full blood count), Hb (hemoglobin), WBC (white blood cell) and platelet count are the three most utilized by clinicians.<sup>1</sup> If Hb and WBC are normal, FBC will also be normal in ~90% of cases.<sup>2</sup>

The 3-part differential analyzer is suited for the use in emergency rooms and outpatient laboratories, where acute inflammations must be identified promptly and reliably, and small laboratories attached to wards or operating rooms.



### Advantages of a 3-part diff system in comparison to blood smears

- > Faster reporting time
- > Less experienced staff needed
- > Higher throughput



*«If an analyzer does the routine, why should I do it manually?»*

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

## Results you can count on

### 3-part diff hematology systems

- > Small-footprint stand-alone systems with integrated PC
- > 22 parameters
- > Sample volume: 25 µl



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

2 measuring chambers = 80 samples/hour



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

1 measuring chamber = 30 samples/hour



Movie

### Automation, for assistance where you need it

- > Automatic cleaning cycle
- > Automatic maintenance cycle
- > Automatic control request
- > Automatic calibration request
- > Automatic upload of target values

### Clear, logically arranged interface

- > Easy diagnosis with ICON based software
- > Ideal overview with 22 parameters including histograms and flags at a glance
- > QC module ensures reliable results
- > Flexible connectivity options:  
LIS/HL7 bidirectional interface or USB ports

### Reliable and robust, proven worldwide

- > Thousands of installed systems worldwide confirm the system's robustness
- > Heat-stable reagents - storage up to 42 °C
- > Reliable results with dedicated reagents and controls
- > Anti-clogging technology means increased analyzer up time

### Unlimited possibilities

- > With the optional solar panel and battery system, ideal for remote areas
- > Cost efficient WBC-only sample mode (no reagent for RBC, PLT parameters)
- > Veterinary mode\*

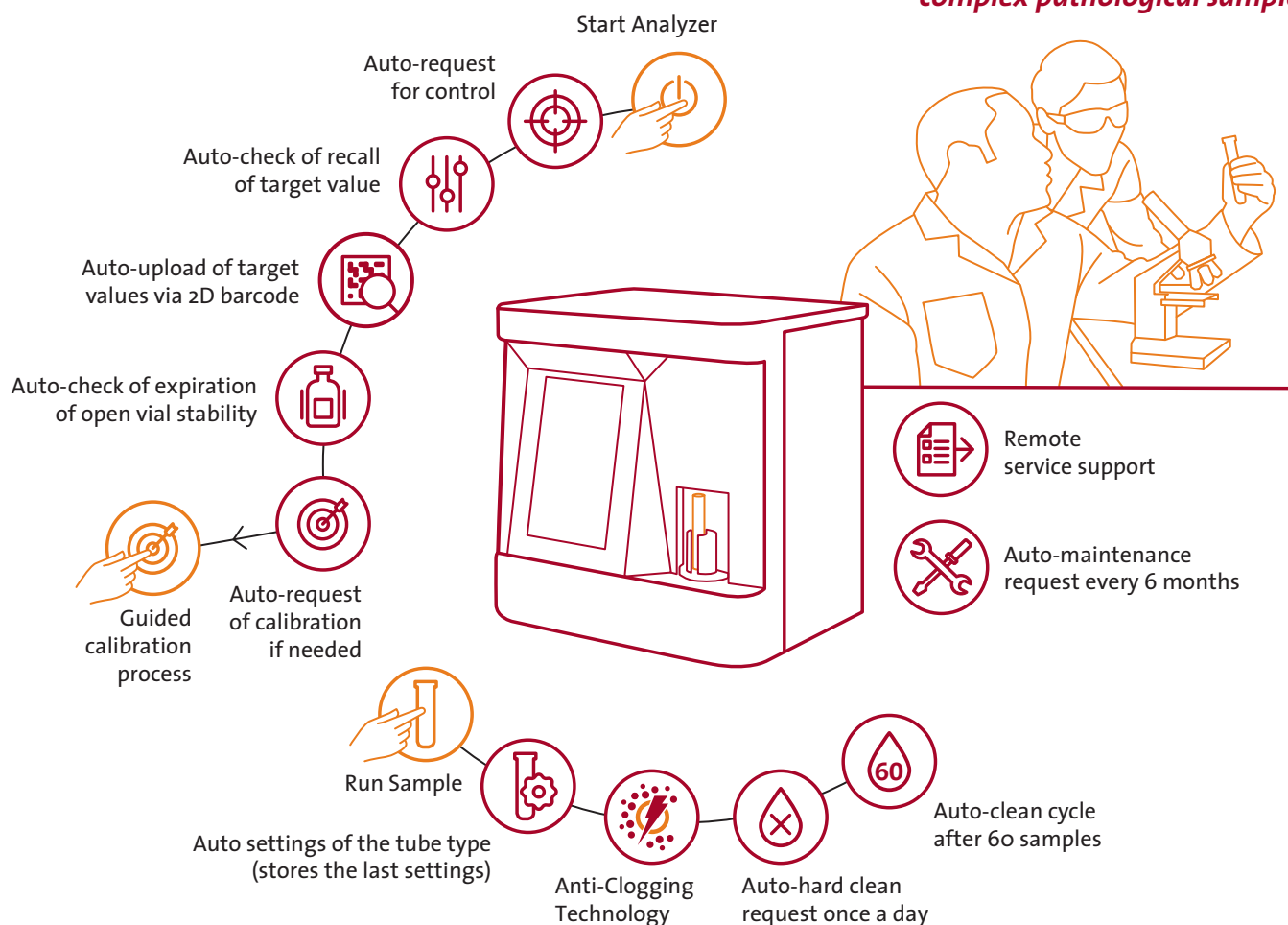
\* Use of veterinary mode is the responsibility of the user

# Automation, for assistance where you need it

## Simplify your daily work

### Automation of routine tasks

*« Gives us more time for complex pathological samples.»*



### Anti-Clogging Technology

- > High-energy burst for reduced clogging rates
- > Protein burn-off after each measurement cycle
- > Low cleaner consumption
- > Steady workflow with reliable cell counting

### Maximized analyzer up time

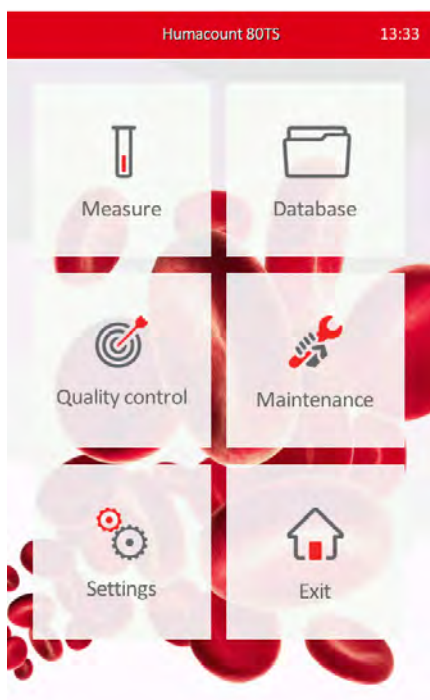
- > Automatic hard/enzyme cleaning request
- > Automatic cleaning cycle every 60 samples
- > Automatic maintenance cycle for continuous, trouble-free performance
- > Remote service support

# Clear, logically arranged interface

## Amazingly easy to use

### Reliable 3-part diff results

- › 25µl sample volume: one drop is enough for a CBC
- › Comprehensive QC module for full control over functions and accuracy
- › Improved algorithm for 3-part diff control readings
- › Improved algorithm for determination of MID-sized cells



### Fast results, no waiting time for patients

- › 80 samples/hour
- › Time to result 45 seconds
- › 22 parameters reduce the need for blood smears

### Easy data processing and handling

- › Built-in printer or connection to an external printer
- › Storage capacity of 10.000 results, including histograms
- › Connectivity via USB, bi-directional LIS, HL7 for integration into hospital management systems

### Intuitive handling

- › Touch screen operation with ICON based software
- › Automatic text completion (e.g. names)
- › Ideal overview of all 22 parameters including histograms and flags on one screen
- › Clearly arranged screen design, all information at a glance

# Reliable and robust, proven worldwide

## Voices from the market



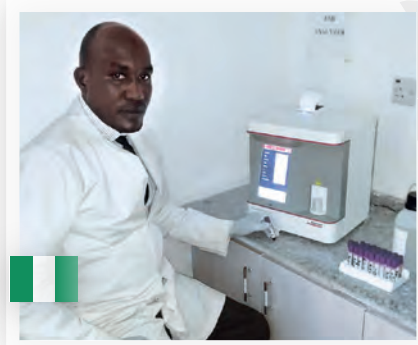
“I like the speed! A printed result of all 22 parameters in less than a minute is what I need. My concern is always to provide reliable patient results, which is why I like the consistently high quality of the reagents, which are stable for up to 36 months and which guarantee the recall of the target values of the control at all times.”

Natalija Arsovska  
Biotek laboratory  
Skopje, Macedonia



“HumaCount 80<sup>TS</sup> has enabled us to successfully automate all our hematology operations. The device is very user-friendly and easy to use. The implementation of proper quality control measures and access to higher quality hemograms with fewer errors has greatly simplified our processes.”

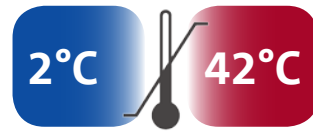
Q.F. Carlos Lacava  
Lacava Muszwic Laboratory,  
San José, Uruguay



“HumaCount 80|30<sup>TS</sup> have a very high degree of automation, which facilitates the daily workflow. I was surprised at the many automated functions that help me in my daily work. All routine tasks, such as cleaning, reminding of the control or maintenance cycles are carried out by the device.”

Musa Liman,  
University of Damaturu Teaching Hospital,  
Yobe State, Nigeria

# Dedicated reagents with unique properties



## Reagents from HUMAN - Made in Germany

- > Wide temperature range for storage and transportation 2- 42°C
- > Up to 36-month shelf life for the reagents (HC-Diluent, HC-Lyse, HC-Clean)
- > Dedicated controls and calibrator materials
- > Tailored hard-clean solutions (HC-acute, HC-regular)
- > Color-coded reagents for safe operation
- > Cyanide-free reagents are environmentally friendly

 Pakistan

 Indonesia



“The clear screens provide an excellent overview of the results of the individual parameters and histograms. The ICON-based software is as intuitive to use as a smartphone. The target value upload via the 2D scanner saves me a lot of time and all values are transferred correctly without typing errors.”

Muhammad Aslam, MLT (Nims)  
Mian Medical Diagnostic,  
Lahore, Pakistan

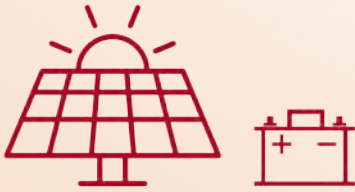


“A really robust system with very low clogging rates enable us to achieve reliable results in our place even with a poor grounding system. We have received a good evaluation of the quality control standards from the DKI Jakarta Health Department.”

Melda Nainggolan  
Public health care Districts Kramat Jati,  
Province of DKI Jakarta Indonesia

# Unlimited possibilities

## Equipped for any eventuality

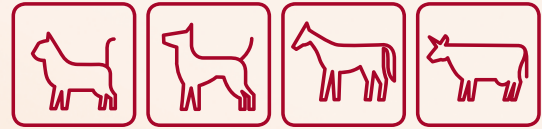


### Independent power solution

- > Perfect for use in remote areas with the optional solar panel (REF 18965/100 ) and battery system (REF 18965/220)
- > Ideal for areas with an unstable power grid
- > Possible battery operation for at least 6 hours

### WBC-only sample mode

- > Cost efficient
- > No reagent consumption for RBC and PLT parameters



### Veterinary profiles\*

- > HumaCount 80/30<sup>TS</sup> offer a 3-part diff veterinary mode for animal healthcare (cat, dog, horse, cow). Optimal solution for veterinary clinics & practices which require a high-quality hematology analyzer.

## Ordering Information

### Instruments

	REF
HumaCount 80 <sup>TS</sup>	16420/80
HumaCount 30 <sup>TS</sup>	16420/30

### Control

	REF
HC-CONTROL	17400/40

- > 3-part hematology control blood
- > 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

### Reagents

	REF
HC-DILUENT	17400/11

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

### HC-LYSE CF

17400/22

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

### HC-CLEANER

17400/31

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



\* Use of veterinary mode is the responsibility of the user.

981642/2019-04 © 2019 Human

