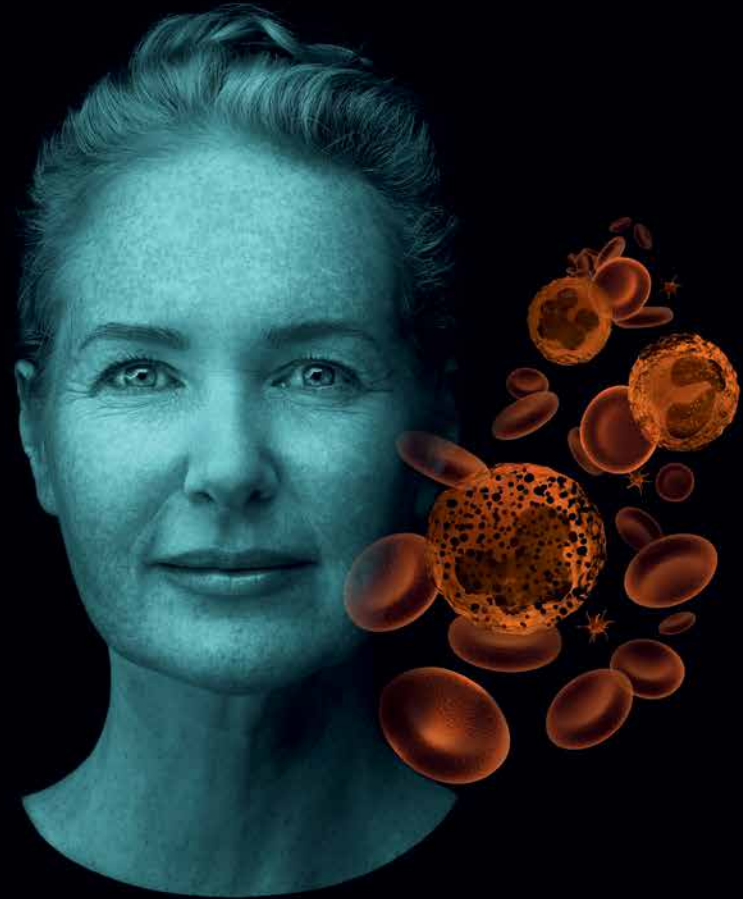
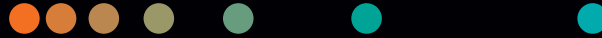


# Think Big in Small Spaces

Atellica HEMA 520 CT, 520 OT, and 530 Analyzers

[siemens-healthineers.com/hematology](http://siemens-healthineers.com/hematology)

New low-volume hematology analyzers!



# Intelligent, compact, and flexible hematology systems



Atellica HEMA 520 CT Analyzer



Atellica HEMA 520 OT Analyzer



Atellica HEMA 530 Analyzer

## All the hematology intelligence you never knew you needed

Introducing the Atellica HEMA 520 and 530 Analyzers: hematology solutions designed to meet the demands of today's laboratories. Compact, smart, and powerful, these analyzers offer high-quality results while maintaining flexibility for various testing environments.

Whether you're managing a small, specialized lab or part of a large-volume facility, the Atellica HEMA 520 and 530 Analyzers deliver the reliability and efficiency you need.

The Atellica HEMA 520 and 530 Analyzers combine proven performance in a reliable, compact bench-top instrument, offering high productivity with one of the smallest footprints on the market. Our goal is to bring labs the flexibility they need to meet the challenges of today and tomorrow.

## Advanced capabilities for comprehensive hematology testing



### Small

One of the smallest footprints available in the hematology market



### Smart

Quick-click operation and flexible sampling options



### Standardized

A unified portfolio of analyzers for standardization across your lab or entire network



### Sustainable

Minimal waste with a limited number of reagents to use

### Test Selectivity/Throughput

CBC/DIFF 60 samples/hour

### Sample Modes/Volumes

Closed Tube (CT) 20 µL

Open Tube (OT) 20 µL

### Parameters

**CBC Results (17 parameters)** WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, MIC%, \* MAC%, \* PLT, MPV, PCT, \* PDW, \* P-LCC, P-LCR

**Differential Results (20 parameters)** LYM#, LYM%, MON#, MON%, NEU#, NEU%, EOS#, EOS%, BAS#, BAS%, IMG#, IMG%, ALY#, \* ALY%, \* LIC#, \* LIC%, \* IML#, \* IML%, \* IMM#, \* IMM%\*

### Performance Specifications

#### Linear Ranges

WBC: 0.2–300 x 10<sup>3</sup>/mm<sup>3</sup>

RBC: 0.2–8 x 10<sup>6</sup>/mm<sup>3</sup>

PLT: HGB >1.5 10–2500 x 10<sup>3</sup>/mm<sup>3</sup>

HGB <1.5 10–4000 x 10<sup>3</sup>/mm<sup>3</sup>

HGB: 1–24 g/dL

HCT: 2–67%

### Precision

Parameter	Low Level		Normal Level		High Level	
	CV Limits (%)	Range	CV Limits (%)	Range	CV Limits (%)	Range
WBC	10	0.23–4 x 10 <sup>3</sup> /mm <sup>3</sup>	3	4–10 x 10 <sup>3</sup> /mm <sup>3</sup>	3	10–300 x 10 <sup>3</sup> /mm <sup>3</sup>
RBC	3	0.5–3.6 x 10 <sup>6</sup> /mm <sup>3</sup>	2	3.6–6.2 x 10 <sup>6</sup> /mm <sup>3</sup>	2	6.2–8 x 10 <sup>6</sup> /mm <sup>3</sup>
HGB	1.5	5–12 g/dL	1.5	12–18 g/dL	1.5	18–24 g/dL
MCV	1.5	<80 fL	1.5	80–100 fL	1.5	>100–max. fL
PLT	10	10–180 x 10 <sup>3</sup> /mm <sup>3</sup>	5	180–500 x 10 <sup>3</sup> /mm <sup>3</sup>	5	500–1000 x 10 <sup>3</sup> /mm <sup>3</sup>

\*For research use only (RUO).

### Shared:



Footprint



Reagents

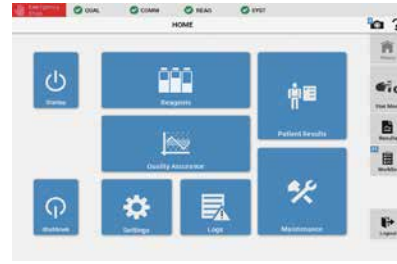


User interface



### Optimized reagent inventory management

- Only uses a small number of reagents for testing
- Less waste, less packaging, less toxicity
- Secured reagent management with unique reagent code for traceability, audit trails, and ensuring quality of results



### Intuitive user interface makes navigation faster and easier

- Touchscreen enables quick access to all functions with color-coded alerts
- Few resources needed to train inexperienced staff
- Enables staff of all skill levels to confidently and accurately perform testing



### AI-based infectious disease screening pathway

- Malaria and dengue flags differentiate between species of malaria and dengue fever, allowing for faster triaging and treatment
- Differentiate *P. vivax* and *P. falciparum* through AI-based algorithms and machine learning from instrument-generated raw data measurements
- Clarity of interpretation for malaria/dengue screening enhances patient care pathway



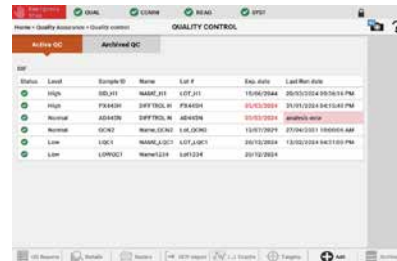
### Leverage our global expertise to help address your challenges

Our services portfolio helps you manage costs proactively, keep your instruments running at peak performance and elevate staff competency. When you choose Siemens Healthineers service, you benefit from our extensive expertise, acquired over many years supporting laboratories with sizes ranging from small to very large.



### Broad clinical picture with minimal blood

- Low volume sample requirements
- Only 20 microliters (µL) of blood needed
- Reduces problems with hard-to-draw patients or inexperienced lab techs



### Robust quality management system is crucial for generating high-quality results

- Detects instrument malfunctions or operator error and address issues quickly to ensure results are accurate and reliable
- Ensures high quality patient care
- Enhanced visual monitoring with X-bar chart, Levey-Jennings chart, and radar charts



### 6-part DIFF increases lab efficiency by reducing manual differential counts

- Abnormal sample management with expanded clinical insights
- Provides enumeration and classification of immature WBC populations (IMG, IMM,\* IML,\* ALY,\* & LIC\*)
- Allows for more precise results by identifying often-missed abnormalities in WBCs



### Standardized lab workflow management

The Atellica HEMA portfolio offers scalable, flexible, and reliable systems that are easy-to-use for routine processing of hematology workloads. Using the same reagents, technology, and interface means that labs with multiple locations or within a hub-and-spoke network can standardize testing—from processes to results.

For more information on how the Atellica HEMA 520 and 530 Analyzers make it easy for you to bring advanced workflow and clinical insights together, please speak with a Siemens Healthineers hematology expert.

\*For research use only (RUO).

At Siemens Healthineers, we pioneer breakthroughs in healthcare. For everyone. Everywhere. Sustainably. As a leader in medical technology, we want to advance a world in which breakthroughs in healthcare create new possibilities with a minimal impact on our planet. By consistently bringing innovations to the market, we enable healthcare professionals to innovate personalized care, achieve operational excellence, and transform the system of care.

Our portfolio, spanning in vitro and in vivo diagnostics to image-guided therapy and cancer care, is crucial for clinical decision-making and treatment pathways. With the unique combination of our strengths in patient twinning,\* precision therapy, as well as digital, data, and artificial intelligence (AI), we are well positioned to take on the greatest challenges in healthcare. We will continue to build on these strengths to help overcome the world's most threatening diseases, enable efficient operations, and expand access to care.

We are a team of more than 72,000 Healthineers in over 70 countries passionately pushing the boundaries of what is possible in healthcare to help improve the lives of people around the world.

*\*Personalization of diagnosis, therapy selection and monitoring, aftercare, and managing health.*

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