



# Imagine Life with True Automation

ADVIA 2120i Hematology System

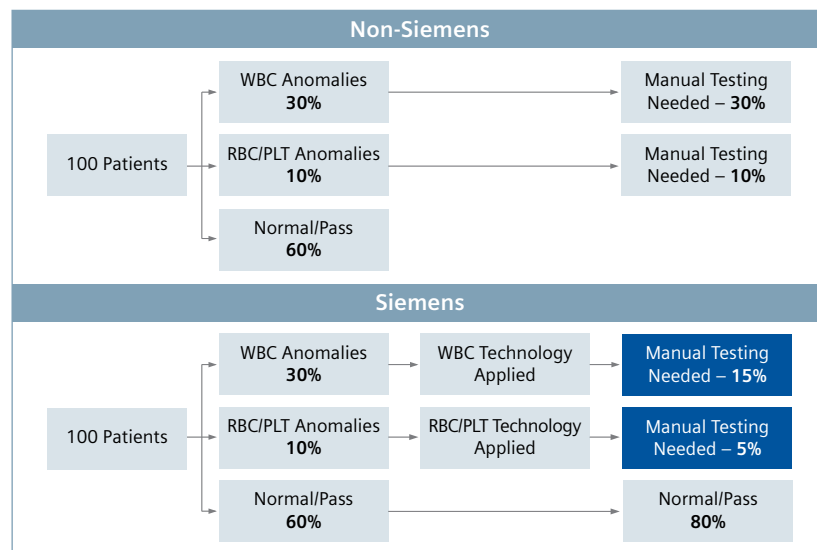
Answers for life.

**SIEMENS**

# Practical Automation to Streamline Workflow

Only the ADVIA® 2120i System gives you Practical Automation—the unique ability to eliminate the majority of manual steps commonly performed for maximum speed and productivity.

- Proven technology, reference methods, and onboard delta checks reduce manual slide reviews
- Fast, convenient, rack-based sampling: Any tube. Any time.
- High throughput of up to 120 samples per hour
- Results that are right the first time
- Efficient auto-validation procedures



ADVIA 2120i's WBC and RBC/PLT technology and high specificity reduce the need for additional manual testing.

# Practical Automation

# The Only Hematology System with Automation from Start to Finish

**Only the ADVIA 2120i Hematology System can truly automate your hematology lab without the need for large track-based systems, expensive stains, or reflexive testing. At Siemens Healthcare Diagnostics, we call this Practical Automation.**

The ADVIA 2120i System streamlines workflow by eliminating the majority of manual steps commonly performed to maximize productivity. It delivers the gold standard in testing methodology for optimum results while offering the simplicity and flexibility you need for easy integration into your lab. Put the power of true automation to work for you.





# Ease of Use to Boost Productivity

The ADVIA 2120i System simplifies and streamlines all aspects of testing, allowing you to work faster and more efficiently so you can focus on other critical tasks.

- Touch-screen monitor
- Unique reagent Time Pacs
- Three modes of aspiration: autosampler, open mode, and unique manual closed-tube sampling
- Unique Unifluidics™ technology—reduced fluidics, no pinch valves, automated daily cleaning
- Completely automated start-up



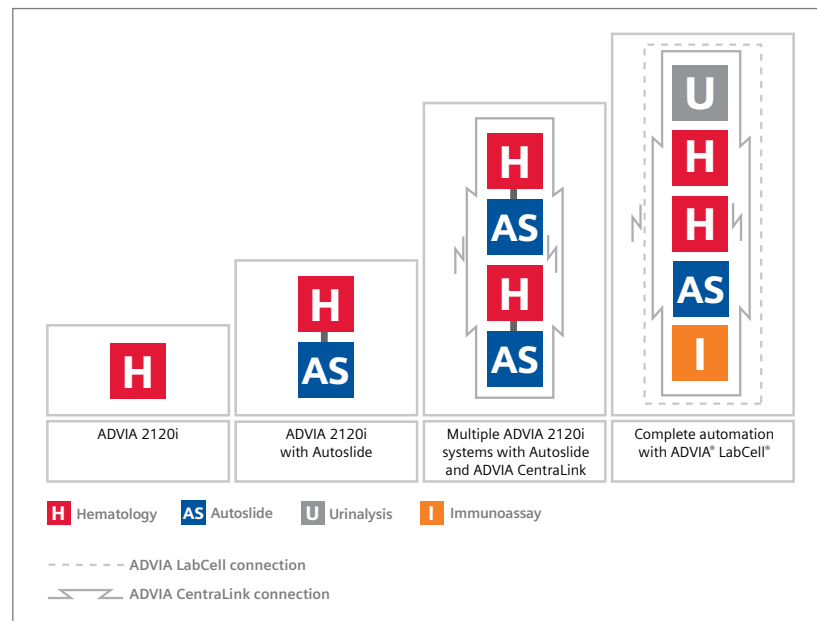
ADVIA 2120i System's rack-based sampling lets you simply load any tube, any time.

# Ease of Use

# Scalable Solutions to Maximize Productivity

Expanding your capabilities is easier and more affordable than ever with the ADVIA 2120i System. With integrated and automated solutions from Siemens, you can scale from stand-alone instrument to complete automation as your productivity needs change.

- Optional ADVIA Autoslide Slide Maker Stainer gives you up to 96 high-quality slides per hour to scale up your productivity
- Network connectivity via ADVIA Centralink® Networking Solution allows data management consolidation and QC management from any client workstation
- From truly practical automation to complete automation with the same instrument



ADVIA Hematology Systems give you real-world automation solutions.

# Scalable Solutions





# True Efficiency. True Productivity. True Automation.

The ADVIA 2120i System eliminates manual steps to maximize speed and efficiency. Discover true power with true **Practical Automation**—only with the ADVIA 2120i System, only from Siemens Healthcare Diagnostics.

## ADVIA Autoslide for SMARTer Slide Staining

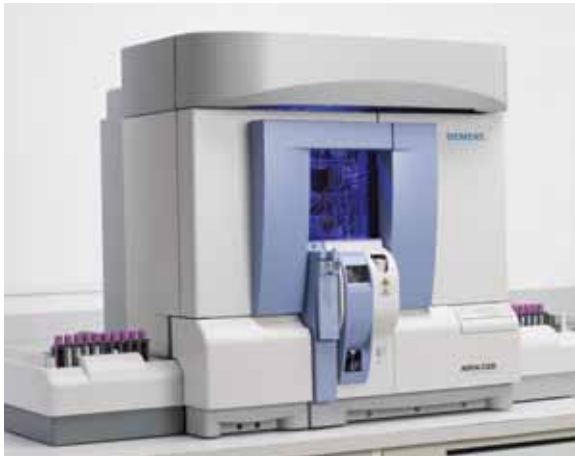
- SMART Stain—single-use reagents for each slide (Wright, Wright-Giemsa, and MGG)
- SMART Sample—aspirates 75 mL sample based on user-defined criteria
- SMART Smear—classic wedge slide with no sample carryover
- Small footprint and no track
- Increases productivity of lab technicians

## Multi-species Capability for More Flexibility

- 21 species with capability for over 50 species using random-access processing
- Customizable species-specific flagging
- Playback feature for sample re-analysis
- Superior differentiation between platelets and RBCs

## Fluid Software Options to Optimize Patient Management

- CSF
- Body fluids





# First-Pass Accuracy for Quality Results

The ADVIA 2120i System uses gold-standard peroxidase staining for WBC differential testing.

- Fewer reruns
- Lowest overall review rate
- Faster turnaround time
- Superior linearity—0.02–400k

The system also offers state-of-the-art technology for RBC, reticulocyte, PLT, and CSF testing.

## RBC

- True RBC differential
- Consistent morphology
- Reduced manuals
- Unique dual-hemoglobin measurement capability—eliminates interference from lipemia

## Automated

### Reticulocyte Analysis

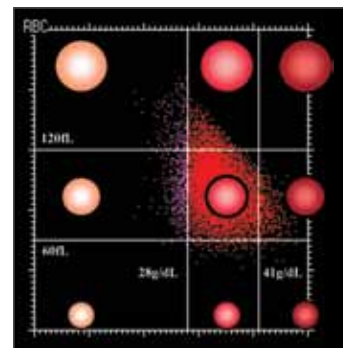
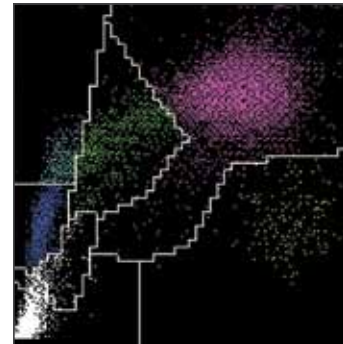
- Direct measurement, not calculated
- Excellent in pediatric and dialysis populations

## PLT

- Two dimensions—size and refractive index
- Measures up to 60 fL
- Includes large platelets in count
- Excludes fragments and microcytic RBCs

## CSF

- Results in <5 minutes
- Linear to zero with three-part differential
- Automated counting provides quality control for consistency of results



ADVIA 2120i System's patented cell separation technology provides unique and detailed blood cell differentials.

# First-Pass Accuracy

# Advanced Testing Technology to Enhance Patient Care

You can rely on the ADVIA 2120i System to get the right results the first time. The system's comprehensive portfolio of diagnostic assays is designed to optimize patient management and enhance patient care.

- Maximizes the effectiveness of costly platelet transfusions with accurate results the first time—even at very low platelet levels
- Differentiates microcytic anemias with RBC and reticulocyte technology



**“A CHr of less than 27.5 pg is a more accurate hematological indicator of iron deficiency compared with hemoglobin of less than 11 g/dL.”<sup>1</sup>**

Journal of the American  
Medical Association

# Advanced Technology

# Specifications

Auto Sampler Option	
150-Sample Capacity	15 racks with 10-tube capacity
Compatible Tube Types	VACUTAINER®, HEMOGARD®, Monovette®, Venoject® II, Venosafe®, Vacuette®, Monoject®
Bar Code Reader	Up to 14 digits
Automatic Discrimination of Label Codes	Codabar, Interleave 2 of 5 with and without check digit, Code 39, Code 128 EAN and JAN (8 and 13)

Precision			
Parameter	Mean	SD	CV
WBC	7.5	0.20	2.70
RBC	5.0	0.06	1.20
HB	15.0	0.14	0.93
MCV	90.0	0.70	0.78
PLT	300.0	8.80	2.93
RETIC %	2.0	0.25	12.50

Performance Specifications	
Linear Ranges	
WBC	0.02 – 400 x 10 <sup>3</sup> /μL
RBC	0.0 – 7.0 x 10 <sup>6</sup> /μL
PLT	5.0 – 3500 x 10 <sup>3</sup> /μL
HB	0.0 – 22.5 g/dL
RETIC	0.2 – 24.5%

**The ADVIA 2120i System significantly reduces or eliminates the need for:**

- Manual Differentials
- Platelet Scans
- Manual Platelet Counts
- RBC Morphology Scans
- Plasma Replacement
- Spun Hematocrit
- CSF WBC Count
- CSF RBC Count
- CSF Differential
- Body Fluid TNC Count
- Body Fluid RBC Count
- RBC Fragment Count
- Large Platelet Count
- WBC Dilutions
- Buffy Coats
- Platelet Clump Interference on WBC
- Enumerated NRBCs
- Manual Reticulocyte Counts

## ADVIA 2120i—Imagine Life with True Practical Automation

**References**

1. Ullrich, Christina MD; Wu, Ann MD; Armsby, Carrie MD; Rieber, Sarah MPH; Wingerter, Sarah MD; Brugnara, Carlo MD; Shapiro, David PhD; Bernstein, Henry DO. Screening Healthy Infants for Iron Deficiency Using Reticulocyte Hemoglobin Content. JAMA 2005;294(8):924-930.

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