

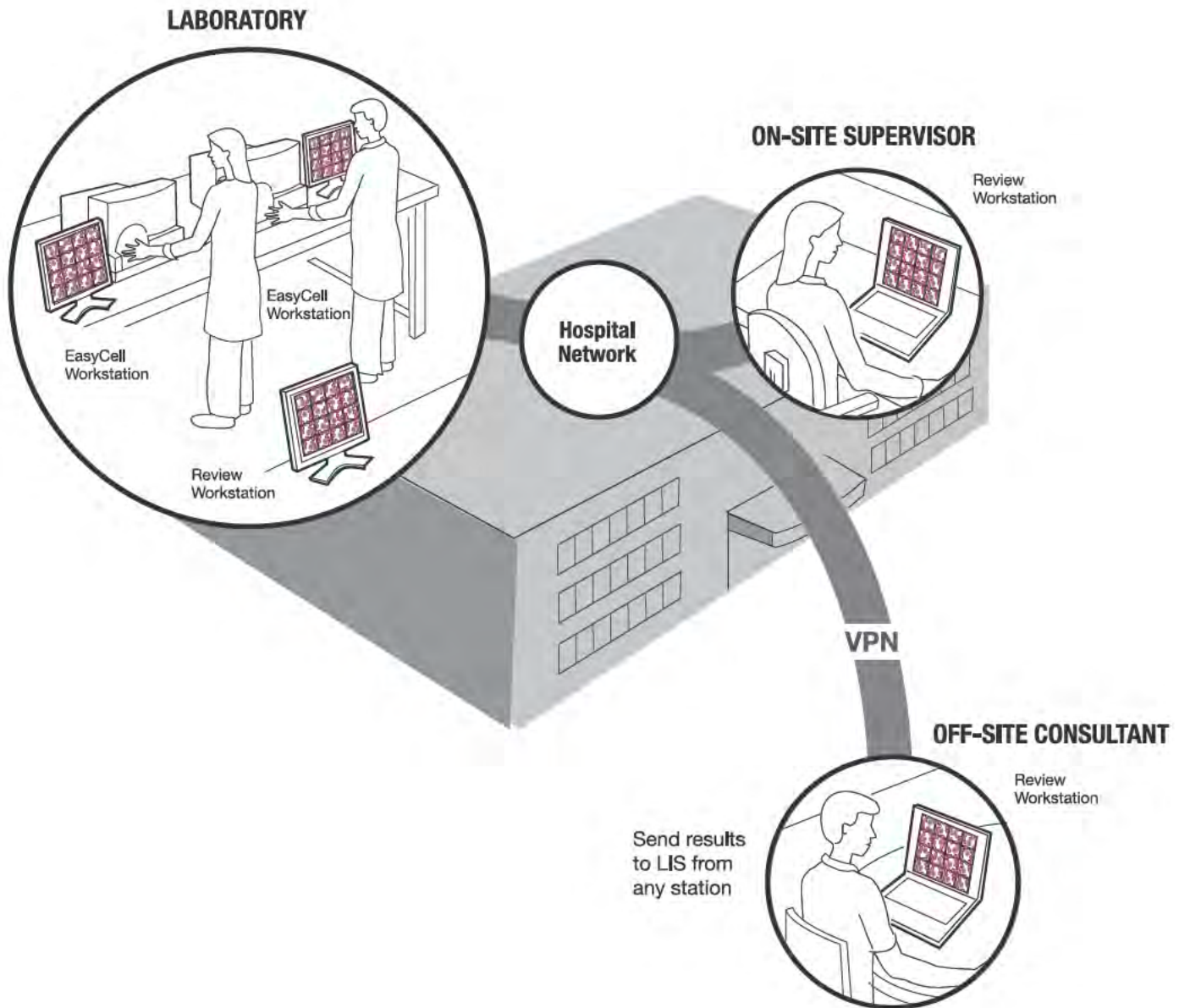
# *EasyCell<sup>®</sup> assistant*

*Cell Image Analysis for the Hematology Laboratory*



*The Affordable Solution to Simplify Manual Differentials*

**MEDICA**



*EasyCell Remote software — create additional workstations for greater efficiency and collaboration*

EasyCell Remote software can be installed on existing computers in your lab creating additional review workstations. The software allows for networking of multiple EasyCells and multiple review workstations. EasyCell Remote workstations have all the functionality of an EasyCell assistant except for processing of slides. EasyCell Remote workstations can be located anywhere, allowing access to all patient and physician data.

- Increase staffing efficiency- EasyCell Remote permits easy addition of staff for review of cell pre-classifications from completed EasyCell assistant patient image results.
- Access expert opinions-Images from difficult cases can be conveniently referred for second opinions.
- Monitor quality in the lab—Managers can review sample results to assure consistency in reporting.

# *EasyCell<sup>®</sup> assistant*



## *Improves productivity...*

The EasyCell assistant improves productivity by automatically locating 100 or 200 white cells on a blood smear and pre-classifying them on a display, grouped by cell type. The analyzer also displays images of red cells and platelets for performance of red cell morphology and platelet estimate.

## *Saves time...*

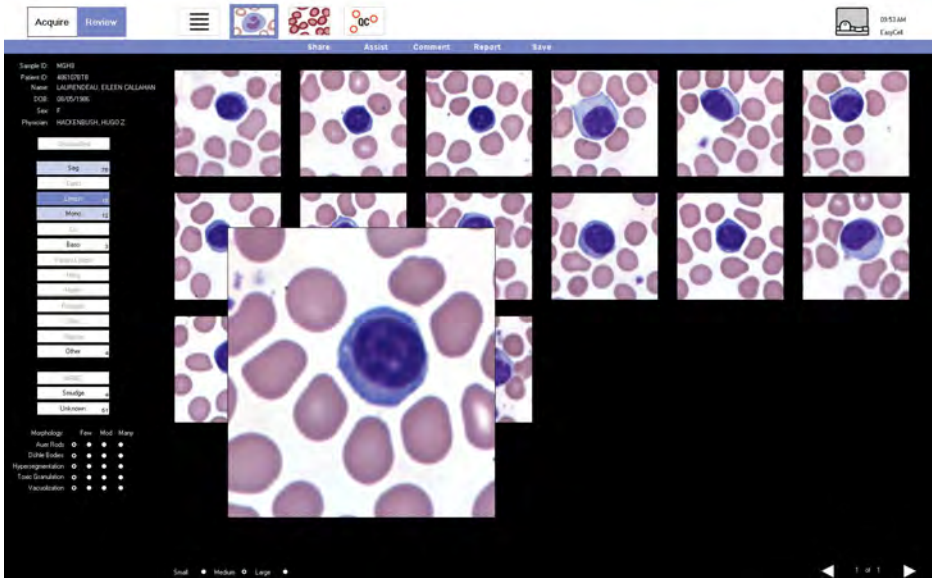
The EasyCell assistant lowers costs by dramatically reducing the technologist time required to perform manual differentials. EasyCell is an "assistant" because it suggests the correct classification of normal cells. It allows the technologist to quickly review the suggested classifications and then to devote time to the abnormal cells.

## *Enables walk-away operation...*

Slides are loaded into the 30-position carousel or placed in the EasyCell Stat position for immediate analysis. Wright, Wright-Giemsa, or May-Grunwald Giemsa stains may be used.

The technologist walks away while slides are being processed.





Cell images may be magnified

### Assists with accurate final classification...

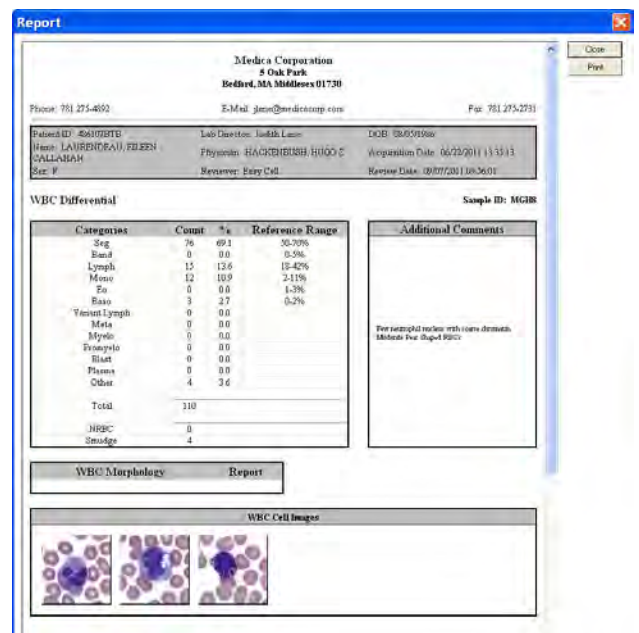
White cells are located and pre-classified for review on the display, grouped by cell type. Immature, abnormal and unrecognized cells are displayed separately. The technologist can easily compare white cell images which helps in final classification of cells. Red cell morphology images are reviewed and the technologist notes any abnormalities on the user interface. Platelet estimate and morphology can also be recorded.

### Automates data access...

- Rapidly access slide files — recall previous patient's cell images to track patient status
- View or print differential reports — add cell images and custom comments
- 1-D and 2-D bar coding, or label imaging for sample ID
- Store up to 10,000 slides on-board
- LIS connectivity — CLSI standards
- Archive data by saving a copy on a CD



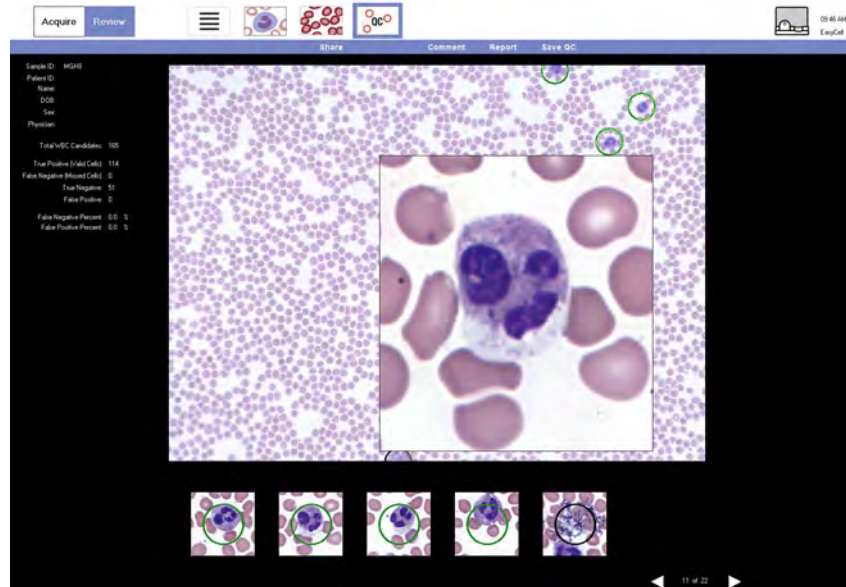
Inserting a Stat Slide



Differential Report — White Cells

# Assures accurate performance...

EasyCell has built-in quality control software that verifies that nucleated cells are located and presented to the technologist for review. EasyCell quality control, run routinely, serves as a check for acceptable slide preparation and system hardware operation. It can also be run to verify performance when changes are made in stains or staining procedures.



**Quality Control Review Screen**

Sample ID	Acquisition Date	Patient ID	Patient Name	Status	Reviewer	Review Date	Acquire
031	09/09/2011 15:11:04	1001	Callahan, Kevin	Review	EasyCell	09/09/2011 13:49:48	EasyCell
218	09/09/2011 15:25:27	1006	DeLano, Jason	Review	EasyCell	09/09/2011 14:57:48	EasyCell
219	09/09/2011 15:25:50	1009	Gallagher, Cate	Review	EasyCell	09/09/2011 15:12:32	EasyCell
237	09/09/2011 10:17:01	1001	Jones, Allen	Review	EasyCell	09/09/2011 11:13:59	EasyCell
219	09/08/2011 10:07:56	1007	Lynch, Anna	New			EasyCell
073	09/08/2011 10:02:51	1010	Matthews, Timothy	New			EasyCell
372	09/09/2011 09:56:50	1006	O'Brien, MaryBeth	Review	EasyCell	09/09/2011 11:02:45	EasyCell
339	09/09/2011 09:45:02	1004	Right, Alyson	New			EasyCell
077	09/09/2011 09:48:09	1000	Smith, John	New			EasyCell
101	09/09/2011 09:49:20	1000	Smith, John	Review	EasyCell	09/09/2011 11:34:13	EasyCell
200	09/09/2011 09:38:07	1009	Wingler, Kelsey	Review	EasyCell	09/09/2011 14:16:09	EasyCell
214	09/09/2011 09:39:04	1002	Wertz, Steve	New			EasyCell
079	09/09/2011 09:24:09	1020	Hoover, Steve	New			EasyCell
095	09/08/2011 09:19:40	1015	Kelly, Jack	New			EasyCell
096	09/09/2011 09:16:07		Rajchel	New			EasyCell
215	09/07/2011 11:01:23	1015	McNamara, The	New			EasyCell
319	09/07/2011 10:06:44	1014	McNeil, Eben	Review	EasyCell	09/09/2011 11:40:41	EasyCell
207	09/07/2011 10:52:08	1013	McNamara, The	New			EasyCell
061	09/07/2011 10:44:21	1015	Reardon, Elmer	New			EasyCell
218	09/07/2011 10:39:16	1017	Smith, Neal	New			EasyCell
073	09/07/2011 10:34:06	1018	White, George	New			EasyCell
072	09/07/2011 10:28:39	1018	Horn, Jackson	New			EasyCell
209	09/07/2011 10:23:55	1011	Callahan, Kevin	New			EasyCell
077	09/07/2011 10:18:50	1006	DeLano, Jason	New			EasyCell
101	09/07/2011 10:12:41	1015	McNamara, The	Review	EasyCell	09/09/2011 14:59:39	EasyCell
328	09/07/2011 10:06:35	1006	O'Brien, MaryBeth	New			EasyCell
214	09/07/2011 10:03:30	1009	Gallagher, Cate	New			EasyCell
079	09/07/2011 09:57:46	1007	Lynch, Anna	New			EasyCell
086	09/07/2011 09:49:14	1016	Kelly, Jack	New			EasyCell
066	09/07/2011 09:44:17	1014	McNeil, Eben	New			EasyCell
072	09/08/2011 15:09:40	1015	Reardon, Elmer	New			system
209	09/08/2011 15:03:02	1004	Right, Alyson	New			system
077	09/08/2011 14:55:04	1006	Wingler, Kelsey	New			system
101	09/09/2011 14:53:33	1018	White, George	New			system
328	09/09/2011 14:46:15	1006	DeLano, Jason	New			system
214	09/09/2011 14:40:47	1020	Hoover, Steve	New			system
079	09/09/2011 14:35:34	1001	Jones, Allen	New			system
095	09/09/2011 14:29:19	1015	McNamara, The	New			system
096	09/09/2011 14:20:09	1010	Matthews, Timothy	New			system
218	09/09/2011 17:08:43	1021	Fryer, Sam	New			system
073	09/09/2011 17:02:45	1022	Ward, Cindy	New			system
072	09/09/2011 16:59:52	1023	Anderson, Harth	New			system

**Slide Table lists all slides in the system**

# Assists with teaching...

Detailed cell images can easily be simultaneously viewed by instructor and student. Returning to cells of interest is easy.

# Makes training easy...

A simple user interface monitors and controls operation using only 5 screens:

- Data Acquisition
- Review List
- White Blood Cells
- Red Blood Morphology/Platelets
- Quality Control

Reduces eye strain and muscle fatigue. Automatic white cell location, pre-classification, and display of cells on a large digital screen makes it easy to see details.

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## Specifications

Slide Capacity	Up to 30 pre-oiled slides; walk-away Single slide STAT capability
Sample Type	Automated and semi-automated peripheral blood smears, fixed and stained
Stains	Standard stains, including: <ul style="list-style-type: none"> <li>• Wright</li> <li>• Wright-Giemsa</li> <li>• May-Grünwald-Giemsa</li> </ul>
Scan Time (typical)	4.5 min / slide – WBC only 5.5 min / slide – WBC with RBC/PLT images
WBC Diff Cells Counted	100 or 200 cell differential (user choice)
Automated Pre-classification Cell Categories*	Segmented Neutrophils, Band Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, Variant Lymphocytes, NRBCs, Smudge Cells, Other
Additional Cell Classification Categories*	Blast Cells, Promyelocytes, Myelocytes, Metamyelocytes, Plasma Cells
WBC Morphology Categories*	Auer Rods, Döhle bodies, Hypersegmentation, Toxic Granulation, Vacuolization (None, Few, Moderate, Many)
RBC Morphology Categories*	Anisocytosis, Macrocytosis, Microcytosis, Poikilocytosis, Acanthocytosis, Burr, Howell-Jolly, Ovalocyte, Pappenheimer bodies, Schistocyte, Sickle, Spherocyte, Target Cell, Hypochromic, Polychromatic, Basophilic Stippling, Rouleaux (0, 1+, 2+, 3+, 4+)
Platelet Estimate Morphology Categories*	Normal, Decreased, Increased
Platelet Morphology Categories*	Clumped, Giant
Slide Identification	Barcoding or label image capture
Oiling Method	EasyCell Oil Applicator

## Analyzer Specifications

Environmental Conditions	15 – 30° C (59 – 86° F); 500 – 800 mmHg (Max 15 PSI) Altitude up to 2,000 m 5 – 85% humidity, non-condensing
Barcodes Supported:	PDF-417 (two-dimensional barcode) Codabar Code 39 with check digit Code 39 without check digit
Data Storage:	10,000 slides
LIS Compatibility:	Bi-directional CLSI LIS 2-A2 message protocol CLSI LIS 1-A2 transport over TCP/IP or RS-232
Calibration:	On Demand
Capacity:	30 Slides per carousel
Power:	EasyCell: 100–240 ~ VAC, 50/60Hz, 4A Computer: 90–135 ~ VAC, 50/60 Hz or 180–240 ~ VAC, 50/60 Hz Monitor: 100–240 ~ VAC, 50/60 Hz, 1.5 A
Size:	24" W x 24" H x 21.5" D (61 cm W x 61 cm H x 55 cm D)
Weight:	150 lbs. (68 kg)
Printer Support:	A list of compatible printers is listed in the Operators Manual and is available upon request.
Archiving of Results:	Media: CD

\*Images presented automatically by EasyCell assistant. Final classification and/or ranking is based on Technologist expertise.