

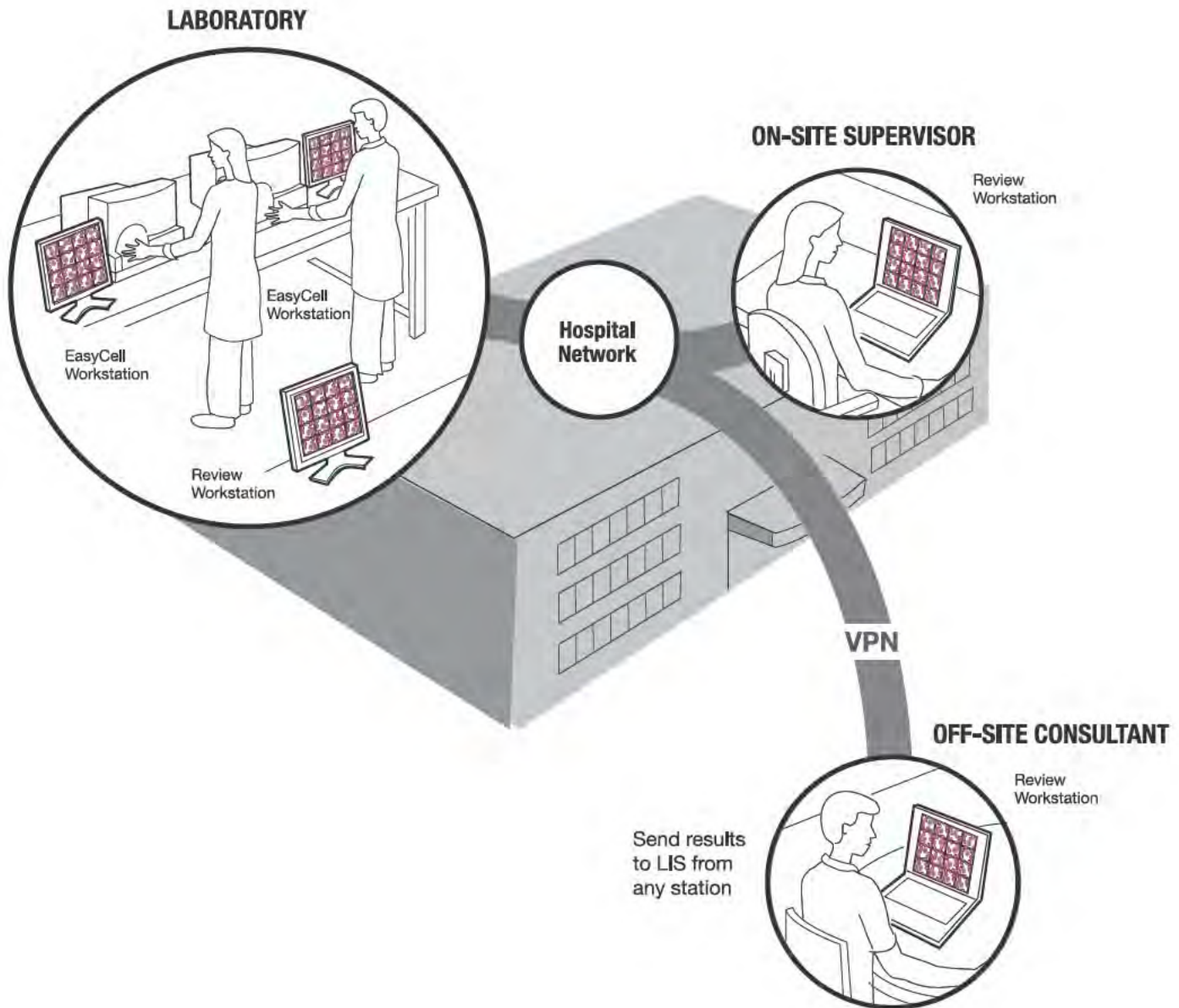
EasyCell[®] assistant

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[®] 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.

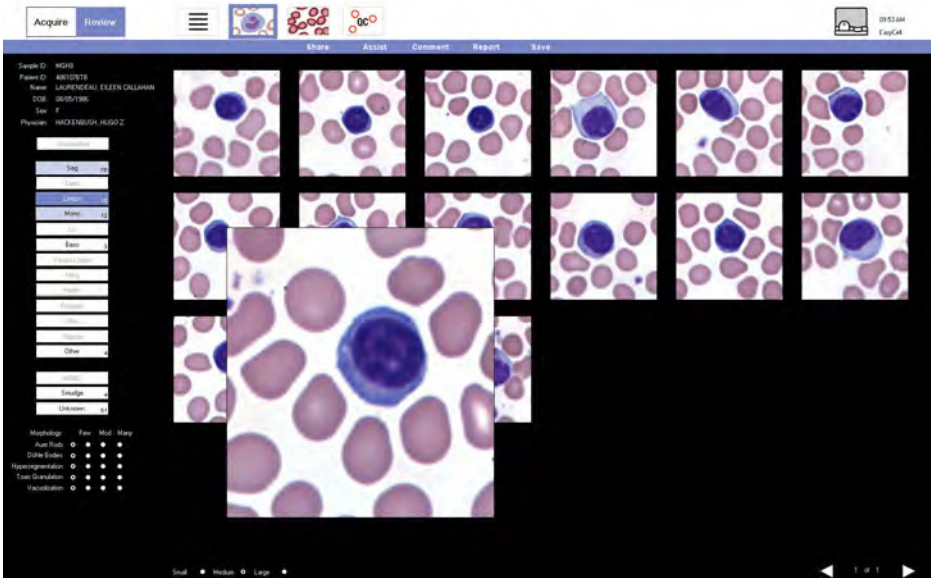
Saves time...

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...

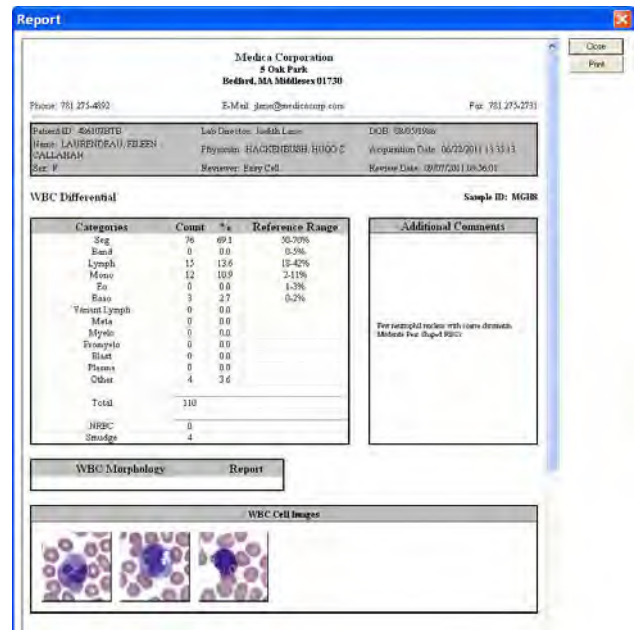
White cells are located and pre-classified for review on the display, grouped by cell type. Immature, abnormal and unrecognized cells are displayed separately. The technologist can easily compare white cell images which helps in final classification of cells. Red cell morphology images are reviewed and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



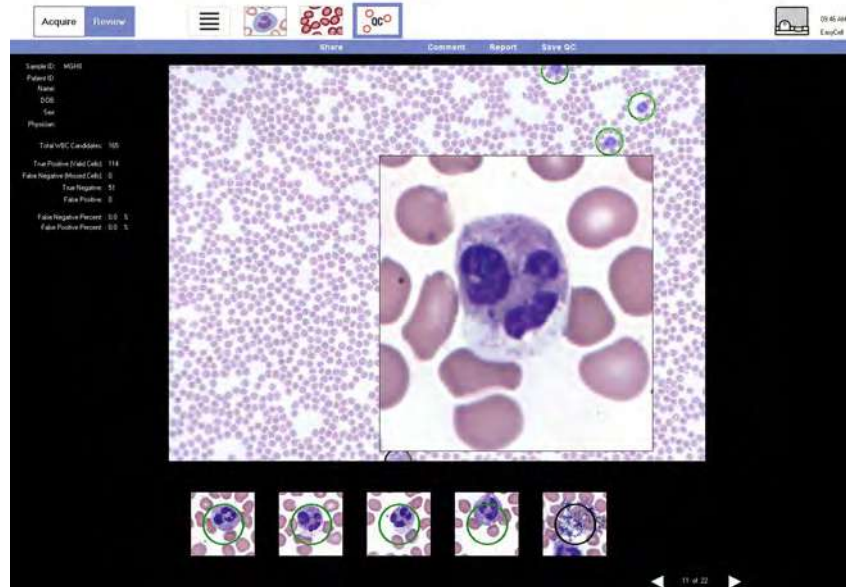
Inserting a Stat Slide



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	Reviewed	Review Date	Acquirer
031	09/09/2011 15:11:04	1011	Calahan, Kevin	Review	EasyCell	09/09/2011 13:49:48	EasyCell
218	09/09/2011 15:25:27	1006	Dallano, Jason	Review	EasyCell	09/09/2011 14:57:48	EasyCell
219	09/09/2011 15:25:50	1009	Gallagher, Carl	Review	EasyCell	09/09/2011 15:12:32	EasyCell
507	09/09/2011 10:17:01	1001	Jonas, Allen	Review	EasyCell	09/09/2011 11:13:55	EasyCell
219	09/08/2011 10:07:56	1007	Lynch, Anna	New			EasyCell
073	09/08/2011 10:02:51	1010	Matthew, Timothy	New			EasyCell
372	09/08/2011 09:56:50	1005	O'Brien, MaryBeth	Review	EasyCell	09/09/2011 11:02:45	EasyCell
339	09/08/2011 09:05:02	1004	Right, Alison	New			EasyCell
077	09/08/2011 09:48:08	1000	Smith, John	New			EasyCell
101	09/08/2011 09:49:20	1000	Smith, John	Review	EasyCell	09/09/2011 11:34:13	EasyCell
208	09/08/2011 09:35:07	1003	Wengler, Kelsey	Review	EasyCell	09/09/2011 14:16:09	EasyCell
314	09/08/2011 09:39:04	1002	Wertz, Steve	New			EasyCell
079	09/08/2011 09:24:09	1020	Hoover, Steve	New			EasyCell
095	09/08/2011 09:18:40	1015	Kelly, Jack	New			EasyCell
066	09/08/2011 09:16:07		Rejected				EasyCell
215	09/07/2011 11:01:23	1012	McNamara, The	New			EasyCell
313	09/07/2011 10:08:44	1014	McNeil, Elton	Review	EasyCell	09/09/2011 11:49:41	EasyCell
307	09/07/2011 10:52:08	1013	McNamara, The	New			EasyCell
061	09/07/2011 10:44:21	1015	Reardon, Elton	New			EasyCell
218	09/07/2011 10:39:16	1017	Smith, Neal	New			EasyCell
073	09/07/2011 10:34:06	1019	White, George	New			EasyCell
072	09/07/2011 10:25:39	1016	Horn, Jackson	New			EasyCell
209	09/07/2011 10:23:53	1011	Calahan, Kevin	New			EasyCell
077	09/07/2011 10:18:50	1006	Dallano, Jason	New			EasyCell
101	09/07/2011 10:15:41	1012	McNamara, The	Review	EasyCell	09/09/2011 14:59:38	EasyCell
339	09/07/2011 10:06:36	1006	O'Brien, MaryBeth	New			EasyCell
214	09/07/2011 10:03:30	1009	Gallagher, Carl	New			EasyCell
079	09/07/2011 09:57:46	1007	Lynch, Anna	New			EasyCell
336	09/07/2011 09:49:14	1016	Kelly, Jack	New			EasyCell
086	09/07/2011 09:44:13	1014	McNeil, Elton	New			EasyCell
072	09/08/2011 15:09:40	1015	Reardon, Elton	New			3/5/2016
209	09/08/2011 15:03:02	1004	Right, Alison	New			3/5/2016
077	09/08/2011 14:55:04	1006	Wengler, Kelsey	New			3/5/2016
101	09/08/2011 14:52:33	1019	White, George	New			3/5/2016
339	09/08/2011 14:46:15	1006	Dallano, Jason	New			3/5/2016
214	09/08/2011 14:40:47	1020	Hoover, Steve	New			3/5/2016
079	09/08/2011 14:35:34	1001	Jonas, Allen	New			3/5/2016
095	09/08/2011 14:29:19	1012	McNamara, The	New			3/5/2016
096	09/08/2011 14:23:09	1010	Matthew, Timothy	New			3/5/2016
318	09/08/2011 13:08:43	1021	Poon, Sam	New			3/5/2016
073	09/08/2011 17:03:45	1022	Ward, Cindy	New			3/5/2016
072	09/08/2011 16:58:52	1023	Anderson, Harth	New			3/5/2016

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"> • Wright • Wright-Giemsa • May-Grünwald-Giemsa
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.