HORIBA
Medical

EasyCell® assistant

Cell Image Analysis for the Hematology Laboratory

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.

Cell images may be magnified

The Affordable Solution
to Simplify Manual Differentials

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-Grünwald-Giemsa stains may be used.
The technologist walks away while slides are being processed.

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.

Inserting a Stat Slide

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 DVD, Thumb Drive, or External Hard Drive.

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
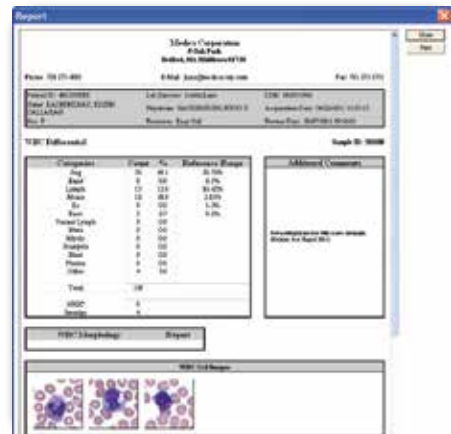
Assists with teaching...

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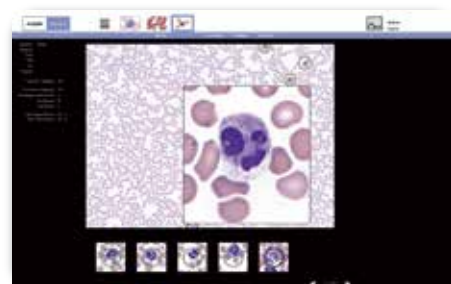
Makes training easy...

A simple user interface monitors and controls operation using only 5 screens:
- Data Acquisition
- Review List
- White Blood Cells
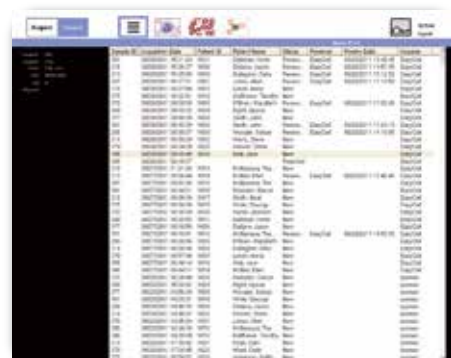- Red Blood Morphology/Platelets
- Quality Control

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.
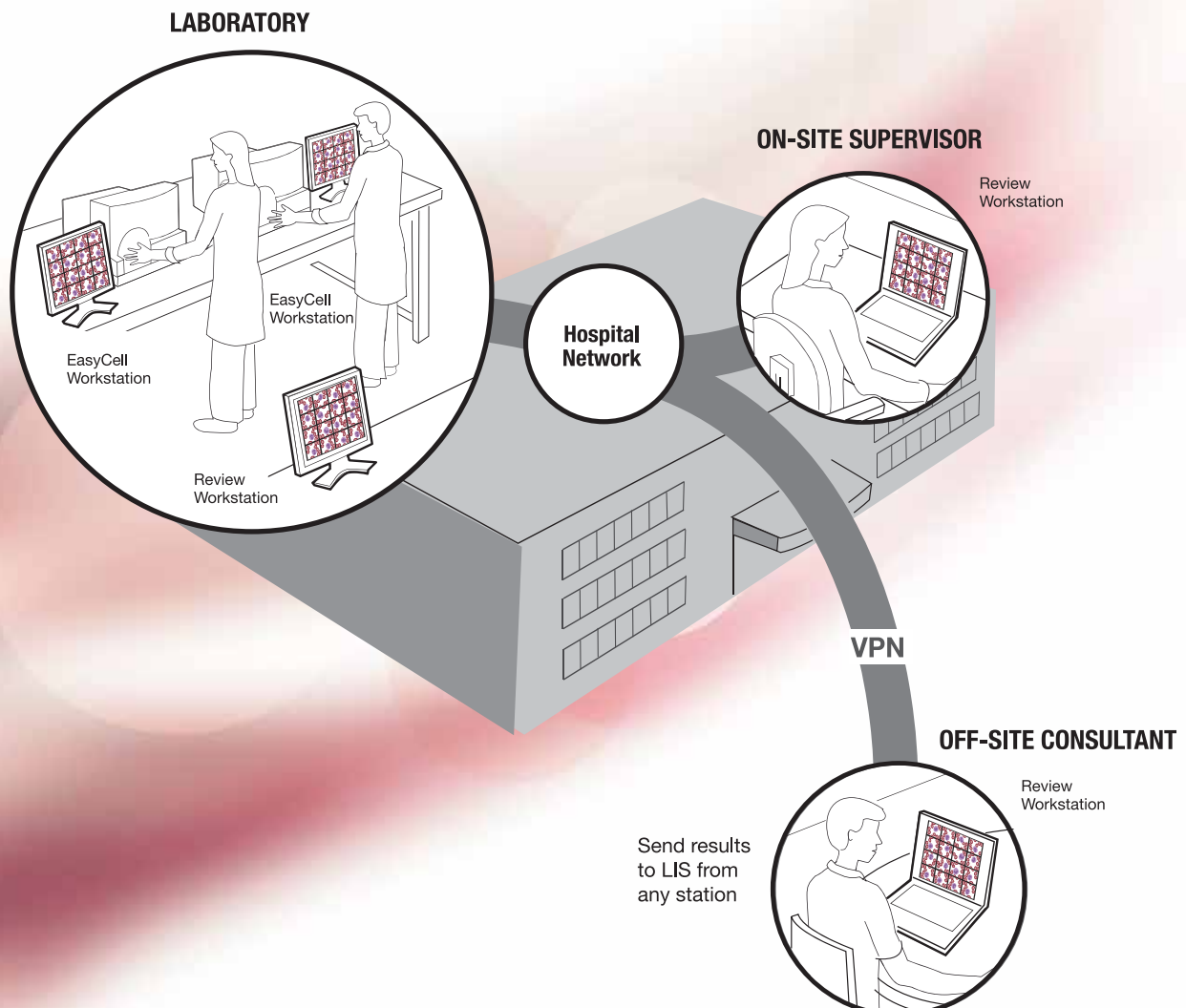

Slide Table lists all slides in the system

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.

LABORATORY

EasyCell Workstation

EasyCell Workstation

Review Workstation

Hospital Network

ON-SITE SUPERVISOR

Review Workstation

VPN

OFF-SITE CONSULTANT

Review Workstation

Send results to LIS from any station

EasyCell® assistant
Technical Specifications

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: 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
50, 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
OCR (Optical Character Recognition)

Oiling Method
EasyCell Oil Applicator

ANALYZER SPECIFICATIONS

Environmental Conditions
15 – 30º C (59 – 86º F); 500 – 800 mmHg (Max 15 PSI)
Altitude up to 2,000 m
5 – 85% humidity, non-condensing

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 Operator's Manual and is available upon request

Archiving of Results
Media: DVD, Thumb Drive, External Hard Drive

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

DISTRIBUTED BY

HORIBA
Medical

MANUFACTURED BY

MEDICA

Explore the future   Automotive Test Systems **I** Process & Environmental **I** Medical **I** Semiconductor **I** Scientific   **HORIBA**