

# Specifications

<b>Slide preparation methods</b>	<ul style="list-style-type: none"> <li>• SP-10 or SP-50</li> <li>• Standard cytocentrifuge preparations (body fluids)</li> </ul>
<b>Stains</b>	<ul style="list-style-type: none"> <li>• Romanowsky stains (May Grünwald Giemsa, Wright Giemsa, Wright)</li> </ul> <p><i>*Wright stain needs the local adjustments to achieve best results.</i></p>
<b>WBC Classification</b>	Segmented and band neutrophils, eosinophils, basophils, lymphocytes, monocytes, blast cells, promyelocytes, myelocytes, metamyelocytes, variant lymphocytes, and plasma cells.
<b>Non WBC Classification</b>	Smudge, artefacts, giant platelets, platelet clumps, erythroblasts (NRBC), unidentified.
<b>RBC precharacterisation</b>	Automated pre-characterisation of aniso-, micro- and macrocytosis, polychromasia, hypochromasia and poikilocytosis is performed in an overview image corresponding to eight high power fields (100x).
<b>PLT Estimate</b>	The graphical user interface allows manual estimation of the PLT concentration, based on eight high power fields (100x)
<b>Storage capacity</b>	<ul style="list-style-type: none"> <li>• Primary storage: On local hard drive up to 4,000 slides (20 GB)</li> <li>• Secondary storage: Unlimited when transferred to external storage media</li> </ul>
<b>Throughput</b>	<p>1) CF-60 Peripheral Blood</p> <ul style="list-style-type: none"> <li>• Up to 30 slides/h for complete differential (100 WBC+RBC+PLT)</li> </ul> <p>Digital Slides</p> <ul style="list-style-type: none"> <li>• Up to 20 slides/h for 10x10 mm in 10x</li> <li>• Up to 1.5 slides/h for 10x10 mm in 10x + 50x</li> </ul> <p>Body Fluids - Based on 6 mm sample area</p> <ul style="list-style-type: none"> <li>• Up to 15 slides/h for differential (100 WBCs + 10X)</li> <li>• Up to 3 slides/h for differential (100 WBCs + 10X + 50X)</li> </ul> <p><i>* Depending on WBC concentration, number of non-WBCs and the quality of the smear.</i></p>
<b>Quality control</b>	Cell location accuracy test for the verification of the hardware and stain quality
<b>Optional Software</b>	<ul style="list-style-type: none"> <li>• DI-60 Remote Review Software</li> <li>• DI-60 Body Fluid Software</li> </ul>

Design and specifications may be subject to change due to further product development.

## Integrated Digital Morphology Solution DI-60



**Sysmex Asia Pacific Pte Ltd**  
Tel +65 6221-3629 Fax +65 6221-3687  
[www.sysmex-ap.com](http://www.sysmex-ap.com)

**Sysmex India Pvt. Ltd**  
Tel +91 (22) 6112-6666  
[www.sysmex.co.in](http://www.sysmex.co.in)

**PT Sysmex Indonesia**  
Tel +62 (21) 3002-6688 Fax +62 (21) 3002-6699  
[www.sysmex.co.id](http://www.sysmex.co.id)

**Sysmex (Malaysia) Sdn Bhd**  
Tel +60 (3) 5637-1788 Fax +60 (3) 5637-1688  
[www.sysmex.com.my](http://www.sysmex.com.my)

**Sysmex New Zealand Ltd**  
Tel +64 (9) 630-3554  
[www.sysmex.co.nz](http://www.sysmex.co.nz)

**Sysmex (Thailand) Co., Ltd**  
Tel +66 (2) 032-2536 Fax +66 (2) 116-5396  
[www.sysmex.co.th](http://www.sysmex.co.th)

**Sysmex Philippines Inc.**  
Tel +63 (2) 621-2460 Fax +63 (2) 621-2432  
[www.sysmex.com.ph](http://www.sysmex.com.ph)

**Sysmex Vietnam Co., Ltd**  
Tel +84 (8) 3997-9400 Fax +84 (8) 3997-9405  
[www.sysmex.com.vn](http://www.sysmex.com.vn)

**Sysmex Vietnam Co., Ltd (Hanoi Branch)**  
Tel +84 (4) 3776-7020 Fax +84 (4) 3776-7022  
[www.sysmex.com.vn](http://www.sysmex.com.vn)

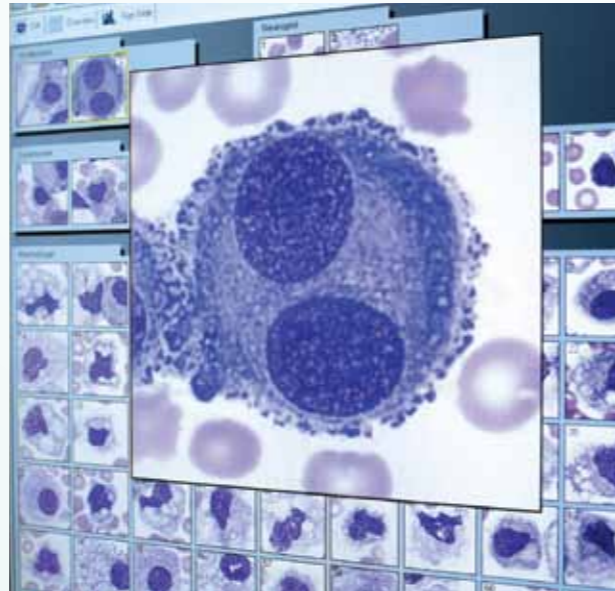
**Sysmex Australia Pty Ltd**  
Tel +61 (2) 9016-3040  
[www.sysmex.com.au](http://www.sysmex.com.au)

# Integrated Digital Morphology Solution

## DI-60

DI-60 can be connected to Sysmex XN-3000/XN-9000 series to provide a fully integrated haematology solution that meets your laboratory's needs. Each configuration automates sample analysis, slide making, staining and pre-classification of cells. DI-60 provides:

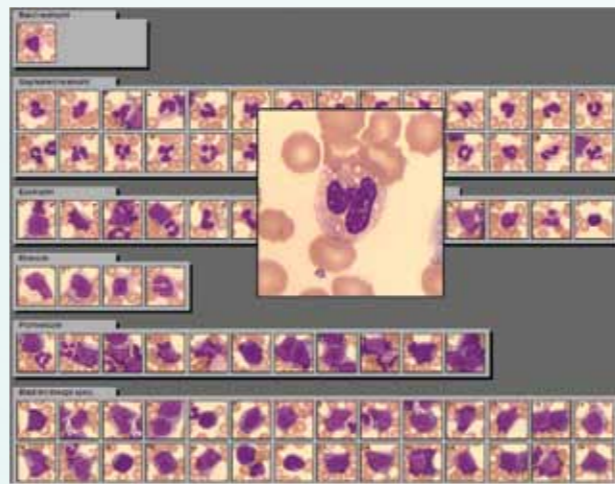
- Reduced review time for differentials resulting in higher productivity.
- Standardisation of your laboratory's differential results by reducing subjective interpretation.
- Proficiency training software to enhance morphology training.
- Easier collaboration with clinicians using remote review software.



### Enhancement of Productivity

On DI-60, cells are automatically located and pre-classified. Cell morphology is compared to a standardised neural network database, regularising the process of cell classification. This allows:

- Improved accuracy of cell classification.
- An instant view of all the pre-classified cells as presented in a single screen.
- Reduced human subjectivity.
- Improved differential turnaround time via automated cell location and pre-classification.



### Easy Collaboration

Cell images are captured and archived electronically. These images can also be provided to clinicians and morphologists on demand via remote connectivity. Similarly, archived images allow not only quick access to a patient's morphology history, but also permit:

- Easy comparison of cell image history to simplify differentials.
- The use of cell images for in-house training.
- Remote review networking for images to be shared during consultation, anytime, anywhere.

### Integrated Digital Morphology Solution that Fits Your Needs

DI-60, integrated with the XN-series of haematology analysers, allows you to quickly screen samples for abnormalities providing fast confirmation of the results in 4 simple steps:

#### Step 1

**Samples are analysed in the XN-3000/XN-9000.**

- After sample analysis, abnormal samples are automatically reflexed for slide preparation and staining.

#### Step 2

**Slides are made and stained automatically in the SP-10.**

#### Step 3

**Stained slides are transported and analysed in the DI-60 automatically.**

- Cells are located and pre-classified. Cells are grouped into reportable classes and presented on a single screen to facilitate final verification.

#### Step 4

**Slides are reviewed and cells verified for WBC, PLT, RBC categories.**

- Standardisation and speed can be enhanced by comparing abnormal cells to the on-board cell image library.
- Addition of pre-coded comments to any slide, cell class or specific cell.
- Images may be emailed or shared with reviewers via remote access, allowing real-time collaboration.

