



# CELLENIUM<sup>®</sup> 5D

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## 5 - Part WBC differential analyzer

- ★ Compact, bench top, 60 test/hour, 5-part laser WBC differential analyser
- ★ Two sampling modes: a cap piercing mode for closed tube sampling and another for open tubes
- ★ Patented optical laser based WBC differential technology
- ★ Clog detection and prevention with automatic system cleaning processes
- ★ Easy to use and High resolution Graphical Colour Display
- ★ Unique sample rotor to reduce risk of biohazard exposure
- ★ Self-cleaning procedures minimize daily maintenance

# Technical Specifications

## Measuring data

- **Throughput** - 60 tests/hour
- **Parameters** - CBC+5 DIFF mode, 2 histograms: RBC, PLT, 2 scattergrams: 4 diff, BASO, 26 parameters: WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HCT, MCV, RDW-sd, RDW-cv, HGB, MCH, MCHC, PLT, PCT, MPV, PDW-sd, PDW-cv, P-LCC, P-LCR

## Measuring principle

- Laser light scatter technology for 5-part WBC differential
- Impedance method for CBC: WBC (80 µm RBC and PLT ( 70 µm)
- Light absorbance for HGB Measurement

## Reagents and Sampling System Samples

- **Sample Volume** - 110 µl of whole blood
- Closed and open tube sampling, optional autosampler
- **Calibration** - Stat & Autosampler mode, specific control material (external reference - optional)
- Pre-dilute software option for small samples

## Reagents

- Environmentally friendly Diluent & Cleaner reagents and cyanide-free Lyse

## Quality control

- Separate QC database
- Levey-Jennings graphs

## Technical features

- **Multiuser- mode** - multilevel user modes with individual identification (username, password)
- **Data Storage Capacity** - 100,000 records
- **Printout** - External, Microsoft windows compatible printers
- **External Keyboard** - PS/2 or USB
- **Interfacing capabilities** - RS232, USB, Ethernet
- **Software upgrade** - via USB port (USB memory stick)
- **Operating environment** - Temperature: 15-30°C
- **Relative humidity** - max 80% (non-condensing)

## Usage

- **User Interface** - 600 x 800 color graphics LCD touch screen (10.4")
- Multilingual user interface English, French, Spanish, Croatian, Hungarian, Italian, Polish, Portuguese, Russian, Turkish, Chinese, German, Greek

## Dimensions

- Size (Width x Depth x Height): 40 cm x 50 cm x 45 cm 16 in x 20 in x 18 in
- **Weight:** 35Kg, 77 lbs

## Options

### Autosampler

- **Sample Capacity** - 100 tubes: 10 racks with 10 sample tubes each
- **Acceptable primary tubes** - Monovette, Vacutainer, Vacutte
- Built-in barcode reader
- Built-in sample mixer
- Cap recognition (only capped tubes are mixed and processed)
- Size (Width x Depth x Height): 30 cm x 30cm x 18cm 12in x 12in x 7in
- **Weight:** 10Kg, 22 lbs

Sr. No.	Product Code	Product Name	Product Description	Pack Size
1	D1512	Dilucel D	Diluent For 3 and 5 Part WBC Analyser*	20 Liter
2	D3021	Lysel Diff DSP	Lyse Solution for 5 part WBC Analyser	1 Liter
3	D3015HK	Lysel DSP	Lyse Solution for 5 part WBC Analyser	5 Liter
4	D8011	Probecel DC	Probe Cleaner Solution for Hematology	100 ml

\*Either 3 or 5 part diff diluents can be used on the instrument



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\*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.

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