

# Celltac ES

Automated Hematology Analyzer  
**MEK-7300**

## Extremely simple

WBC 5 part differential



## Reliable

### Enhanced statistics

- “Advanced Count\*” for low PLT or WBC enhances reliability of low PLT or WBC.
- \* When low PLT or WBC is detected, an additional sample is analyzed automatically.

## Friendly

### Stress-free simple operation

- Large color touch screen provides intuitive operation.
- Auto priming and self cleaning minimize start-up and shutdown time.

## Efficient

### Streamlined workflow

- Just 55  $\mu$ L sample aspiration for WBC 5 part differential
- 10  $\mu$ L/20  $\mu$ L can be measured with pre-dilution mode.
- Useful measurement modes:  
Open, Closed, Pre-dilution, WBC high, and WBC low

made  Japan

Fighting Disease with Electronics  
 **NIHON KOHDEN**

## Specifications

Parameters	WBC, NE%, LY%, MO%, EO%, BA%, NE, LY, MO, EO, BA, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PCT, MPV, PDW
Measurement methods	WBC, RBC, PLT – impedance method HCT – calculation from histogram HGB – cyanmethemoglobin optical detection WBC 5 part differential – optical method
Measurement modes	Open Closed Pre-dilution WBC high WBC low
Counting time	Approx. 60 sec/sample
Sample volume aspirated	55 µL (CBC + Diff), 30 µL (CBC) for normal measurement mode 10 or 20 µL for pre-dilution mode
Data storage	15,000 results including scattergrams and histograms can be stored on an SD card.
LCD display	10.4 inch 800 × 600 dots TFT-LCD
Dimensions	382 W × 465 D × 532 H (mm)
Weight	Approx. 35 kg

## Reagents, Controls



### Hematology control

MEK-5DN (normal) T456  
 MEK-5DL (low) T456L  
 MEK-5DH (high) T456H  
 (3 mL × 2 each)



### Calibrator

MEK-CAL T457  
 (2mL)

### Hemolyzing reagent for CBC

HEMOLYNAC-3N  
*Cyanide-free*

### Hemolyzing reagent for DIFF

HEMOLYNAC-5

### Diluent

ISOTONAC-3

### Detergent

CLEANAC

### Detergent (Bleach)

CLEANAC-3

## Option



SD card slot on the left side

Up to 15,000 results can be stored.

SD card  
 QM-001D  
Y154D



## Over 40 Years of Experience with In Vitro Diagnostic

Nihon Kohden launched its first automatic blood cell counter, MEK-1100 in 1972. Over the years, the models with more extensive and advanced capabilities are continually developed.



SD is a trademark of SD-3C, LLC.

This brochure may be revised or replaced by Nihon Kohden at any time without notice.



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