—for your lab

Celltac α *is most advanced WBC 3-part diff analyzers*

with wide measuring range, high reliability, and new functions

❊ **Panic values measurement**

❊ **High speed processing**

❊ **Safety**

❊ **User friendly**

❊ **Compact**

18 parameters

- White blood cell count
- Lymphocyte percent
- Monocyte percent
- Granulocyte percent
- Lymphocyte count
- Monocyte count
- Granulocyte count
- Red blood cell count
- Hemoglobin concentration
- Hematocrit
- Mean cell volume
- Mean cell hemoglobin
- Mean cell hemoglobin concentration
- Red blood cell distribution width
- Platelet count
- Platelet crit
- Mean platelet volume
- Platelet distribution width

Select the best model for your needs

Feature	MEK-6400	MEK-6410	MEK-6420
Panic values measurement	✓	✓	—
Throughput (samples/hour)	> 63	> 63	approx. 50
Cap pierce unit	✓	—	—
Reagent monitoring	✓	✓	—
Onscreen data editing	✓	✓	—
Selectable reference value	✓	✓	—
Auto background measurement	✓	✓	—
Radar chart printing	✓	✓	—
Color display	✓	✓	✓
Local language	✓	✓	✓

✦ Options

Printer
WA-640VK, built-in type

(WA-640VK built-in printer)

Printout example

Bar code reader
ZK-820V, hand-held type

RESULTS

(external printer, local purchase)

Data Management Software
QP-821V

✦ Consumables

Diluent
ISOTONAC•3, 18 L, T436D

Hemolyzing reagent
HEMOLYNAC•3N, Cyanide-free, T498, 500 mL × 3

Sample tube
100 pcs, T440B

Blood sample container
with EDTA-2K, 1000 pcs, T435

Detergent
CLEANAC•3, 5 L, T438D

Hematology control
T455

Pump tube (N) assy
T462

HGB filter assy
10 pcs, T802

Detergent
CLEANAC, 5 L, T438

Recording paper
10 rolls, A819B

Model Suffixes

MEK-6400/6410/6420 has the following suffixes:
J: 110 - 127 V AC operation
K: 220 - 240 V AC operation

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Celltac α

Hematology Analyzer MEK-6400 series

18 parameters with WBC 3 part differential

MEK-6400 shown with optional built-in printer

Fighting Disease with Electronics

NIHON KOHDEN

Panic values and cap pierce unit —The best choice for your lab

Panic values measurement
(MEK-6400 / MEK-6410)

Panic value threshold and automatic dilution ratio change

You can set panic value thresholds (abnormal high and low values) to trigger remeasurement in preset dilution ratio (high, higher or low dilution mode).

If a sample has an extremely high or low value, the patient might be in critical condition. Panic values can be critical in alerting the doctor to an emergency. Panic values also increase the efficiency of screening.

Expanded measurement range

The panic value function contributes to wider measuring range. For example, MEK-6400 and MEK-6410 can measure WBC to 599×10^3 μL.

High accuracy of low range

The low dilution mode gives high accuracy even in low values of WBC or PLT.

High speed processing
(MEK-6400 / MEK-6410)

63 samples/hour in open tube mode

MEK-6400 and MEK-6410 process 63 samples per hour in open tube mode. This high speed contributes to your lab's productivity during busy test times in the morning.

High safety cap pierce unit
(MEK-6400)

Reduce risk of infections from sample

MEK-6400 has a unique cap pierce unit that can use both open and closed tubes. The cap pierce unit contributes to safer operation by eliminating the chance of the operator touching blood. The cap pierce unit is very useful in the physician's office, ER or off-peak shifts when hematology specialists are not available.

User friendly functions
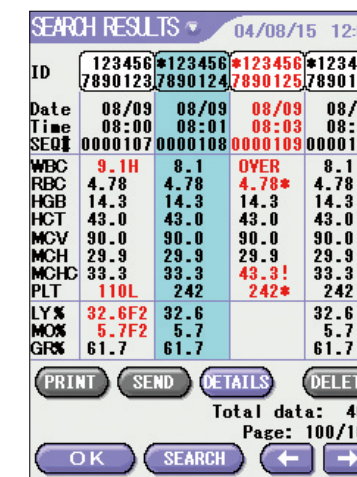*(MEK-6400 / MEK-6410)*

Reagent monitoring system

Low reagent indicators prevent running out of reagents and assure smooth operation.

Useful onscreen data editing

Measurement data can be searched by ID, sample type and flags. The results can be printed or deleted. You can also edit the ID or view detailed data of the searched samples.
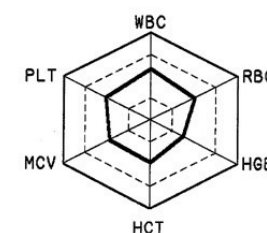
Selectable reference values

Each parameter has a normal range. You can set the upper and lower limits individually for different sample types.

Auto background measurement

MEK-6400 series can automatically perform background noise measurement during start-up.

Charting and graphing

You can view and print the data by chart and graph for easy understanding.

Compact

MEK-6400 series analyzers are very compact— only 23 cm width and 45 cm depth. They are about 30% slimmer than our previous Celltac α model. This allows more effective use of your workbench space.

30% slimer

Cyanide-free hemolysing reagent

MEK-6400 series only uses cyanide-free hemolynac • 3N hemolysing reagent for safety and environmental reasons.

Data security

A password is required to access the setting menus for calibration coefficient, normal range, quality control, and other items. Password protection helps prevent mis-handling by inappropriate operators and safeguard patient information.
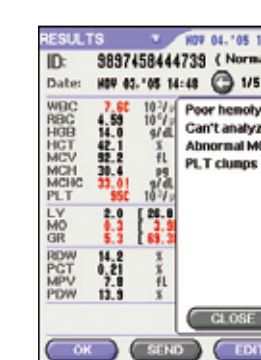
Large color touch screen

A color TFT LCD with 240×320 pixel resolution clearly displays results and messages. Screen messages prompt the operator through the procedure. The touch screen allows easy and intuitive operation. Histograms and numerical data can be shown on the same screen.
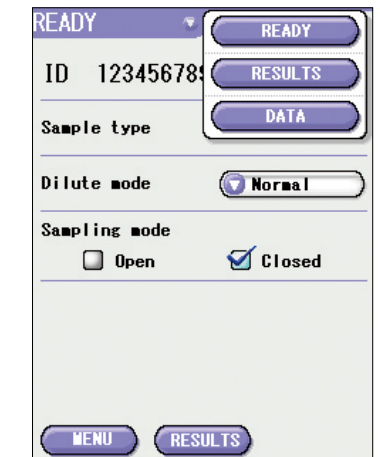
Local language

Local languages are available.

Flags

The following messages can be displayed or printed when the measurement result is out of range.

WBC:	Leukocytosis	RBC:	Erythrocytosis	PLT:	Thrombocytosis
	Leukopenia		Anemia		Thrombocytopenia
	Poor hemolysis		Anisocytosis		PLT clumps
	RBC ghost		Microcytosis		PLT-RBC Interfere
	Can't analyze LY		Macrocytosis		
	Can't diff WBC		Hypochromia		
	Eosinophilia		Abnormal MCHC		

Onscreen shortcut keys

Shortcut keys let you quickly go to the READY, RESULTS or DATA screen from any other screen.

Just 10 μL of blood needed for Pre-Dilution mode

10 or 20 μL blood measurement is available in pre-dilution mode. This is especially useful for infants and elders where usual amount of blood is difficult to collect.
* In normal measurement, 30 μL is required.

Data storage

MEK-6400 series can store measurement data for 400 samples and hisograms for 50 samples.