

NEW!

Celltac α

Automated Hematology Analyzer MEK-6400J/K

The new Celltac α MEK-6400 automatic hematology analyzer with WBC 3 part differential continues the Celltac series successful design concept of high reproducibility, high accuracy and high reliability. Its cap pierce unit gives safer operation by eliminating any chance of touching blood. 63 samples per hour throughput in open mode and high speed processing with no share valve contribute to easy routine maintenance.

Safety and easy use by cap pierce unit

MEK-6400's unique cap piercing unit accepts both open and closed tubes for use in various types of tubes situations. A cap pierce unit contributes to safer and easy operation. Also the cap pierce unit is very useful in the physicians office, ER or off-peak shifts when hematology specialists are not available. Operators can easily obtain reliable results by just putting a sample tube in the holder and closing the cap pierce unit door.

High speed processing

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

Panic values measurement

MEK-6400 has panic values measurement. If the WBC or PLT result is extremely high or low, the instrument can remeasure it. Panic values are critical in alerting the doctor to an emergency condition.

Reagent monitoring system

If a reagent gets low, the status is automatically displayed. This helps prevent running out of reagents and contributes to smooth operation.



MEK-6400 with optional thermal printer

Large color touch screen

A large color TFT LCD touch screen allows easy and intuitive use for operators. Histograms and numerical data can be shown on the same screen.

Main Features

- ◆ Unique cap pierce unit
- ◆ 63 samples / hour throughput in open tube mode
- ◆ Panic values measurement
- ◆ On screen reagent monitoring
- ◆ Large color TFT LCD touch screen with easy and intuitive operation
- ◆ Local language for easy operation
- ◆ Dilutor allows capillary blood measurement with small 10 μ L sample
- ◆ On-screen data editing
- ◆ USB interface for high speed data communication with PC
- ◆ Bar code reader (option)

Fighting Disease with Electronics

SPECIFICATIONS

◆ PARAMETERS:

WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW,
PLT, PCT, MPV, PDW, LY, LY%, MO, MO%, GR, GR%

◆ REPRODUCIBILITY:

WBC: Within 2.0%CV
RBC: Within 1.5%CV
HGB: Within 1.5%CV
MCV: Within 1.0%CV
PLT: Within 4.0%CV

◆ DETECTION AND MEASUREMENT METHOD:

Blood cell count: Electrical resistance detection
Hemoglobin: Surfactant method
Hematocrit: Histogram calculation
Platelet crit: Histogram calculation
RBC distribution width: Histogram calculation
Platelet distribution width: Histogram calculation
WBC 3-part differential: Histogram calculation

◆ THROUGHPUT (OPEN MODE):

Throughput: 61 samples per hour or more
(Actual: 63 samples per hour)

◆ REQUIRED BLOOD SAMPLE VOLUME:

Normal mode: 30µL per sample
Capillary blood: 10µL or 20µL per sample

◆ OPERATING MODE:

Open sampling mode
Closed sampling mode
Pre-dilution mode

◆ PANIC VALUES RANGE:

Low dilution range:
WBC: 0.01 to $19.99 \times 10^3 \mu\text{L}$
PLT: 1 to $499 \times 10^3 \mu\text{L}$
High dilution range:
WBC: 0.1 to $599.9 \times 10^3 \mu\text{L}$

◆ DISPLAY:

Size: 5.7 inch color TFT LCD touch screen

◆ DATA STORAGE:

Numerical data: 400
Histograms: 50

◆ QC MANAGEMENT PROGRAMS:

X bar R, Levey & Jennings, X bar batch, X bar Day CV

◆ LOCAL LANGUAGE:

Contact your Nihon Kohden sales representative for detail.

◆ DATA EDITING:

DETAILS: Edit ID, Sample Type
SEARCH: Patient data: Date, ID#, Name, Flags

◆ OUTPUT INTERFACE:

Parallel port: For printer
Serial port: For hand held bar code reader
USB: For data transfer to PC

◆ DIMENSIONS AND WEIGHT:

Dimensions: H 383 × W 230 × D 450 mm
Weight: Approx. 18 kg

◆ POWER REQUIREMENTS:

Power supply: AC 110-127V, 50/60Hz (J type), AC 220 - 240V,
50/60Hz (K type)
Power consumption: 120 VA

◆ ENVIRONMENTAL CONDITIONS:

Storage temperature: -20 to 60°C
Operating temperature: 15 to 30°C
Storage humidity: 10 to 95%
Operating humidity: 30 to 85% (noncondensing)
Storage atmospheric pressure: 700 to 1060 hPa
Operating atmospheric pressure: 700 to 1060 hPa

STANDARD ACCESSORIES

Operator's manual, power cord, ground lead, fuse, sampling nozzle, reagent tube assemblies, filter assembly, pump tube assembly

OPTIONS

Thermal array printer, WA-640VK (built-in type)
Impact printer: Epson LQ-300 + or equivalent
Inkjet printer: Epson PM-730 or equivalent, Canon BJS-550 or equivalent
Bar code reader, hand held: Keyence BL-N60RK or equivalent

OPTIONAL CONSUMABLES

Hemolyzing Reagent: HEMOLYNAC 3N, (1.5L) T498
Diluent: ISOTONAC 3, (18L) T436D
Detergent: CLEANAC 3, (5L) T438D; CLEANAC, (5L) T438
Controls: MEK-3DL, MEK-3DN, MEK-3DH

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



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