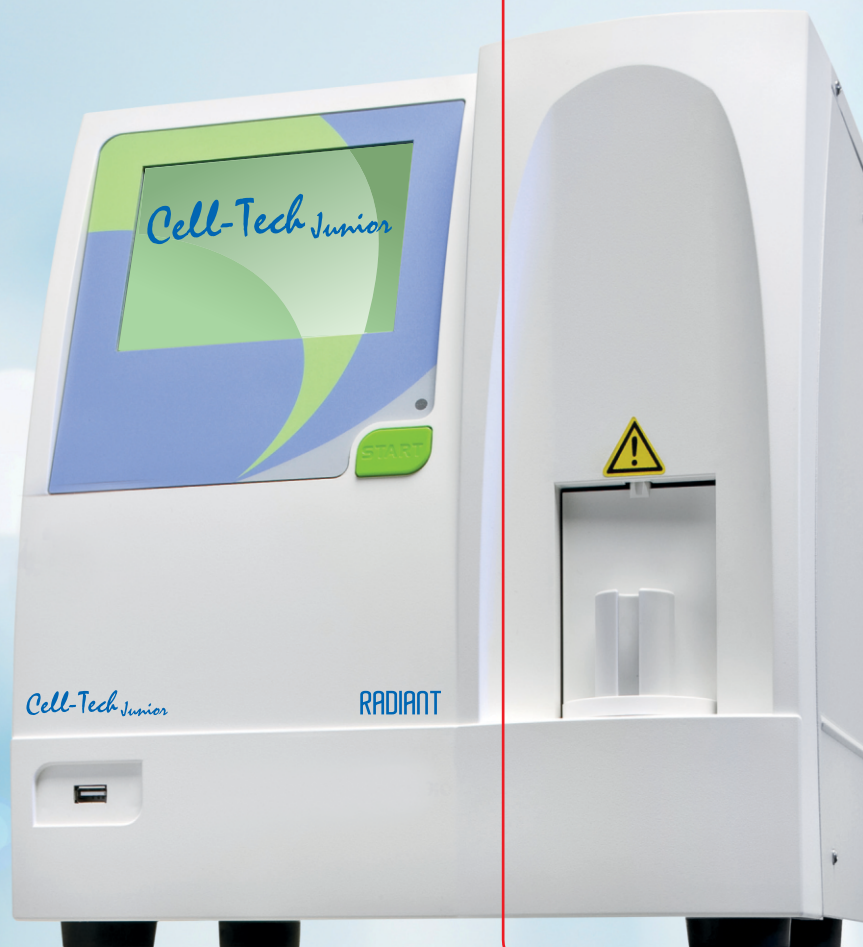


RADIANT

Cell-Tech Junior

3-PART WBC DIFFERENTIAL
ANALYZER



ANALYZER OVERVIEW

The Cell-Tech Junior is a small size, low weight, 30 tests/hour, 20 Parameter, 3-part WBC differential hematology system. The Cell-Tech Junior has a practical, simple to use color touch screen with an easy to follow, intuitive user

interface. The system is an ideal solution for the smaller clinic, laboratory, physician office or satellite clinic that are looking for reliable, safe, accurate and easy to use instrumentation.

BENEFITS AND KEY FEATURES

ACCURATE AND PRECISE RESULTS

- Proven impedance measurement technology with advanced flagging
- Clog detection and prevention with automatic system cleaning processes
- Comprehensive 20 parameter results with 3 histograms

USER FRIENDLY AND EASY TO OPERATE

- Easy to use high resolution touch screen
- Recording of sample and quality control information is fast and efficient
- 4 USB-A ports and 1 USB-B port allows simple connection with external devices such as host computer, external printer, keyboard and mouse
- Comprehensive QC package to provide informative statistics

OPERATOR SAFETY

- Unique sample rotor to reduce risk of biohazard exposure
- Self-cleaning procedures minimize daily maintenance

CONFIDENCE

- System uses easy to understand warning messages and sample flags
- Analyzer uses precision electronics and mechanical components to provide precise and reliable results
- Designed to use specific reagents to deliver the highest quality results

Cell-Tech Junior

REAGENTS

Our systems comprise of two perfectly matched elements: analyzers and reagents. The optimum performance of our analyzer systems is only achieved when our matched reagents are used. All lots of reagent manufactured are fully validated prior to release on our instruments for low background counts, osmolality, pH and other

critical parameters. Our diluent reagents contain no azide and our lyse reagents are cyanide free. Our highly stable reagents offer a shelf life of up to 36 months from the date of manufacture and up to 120 days of on-board stability. The combination of our reagents and analyzers together ensure the best system performance and quality of results.



SPECIFICATIONS

MEASURING DATA

- Throughput - 30 tests/hour
- Parameters - 20 including 3-part differential: WBC, LYM, MID, GRA, LYM%, MID%, GRA%, RBC, MCV, HCT, HGB, MCH, MCHC, PLT, MPV, RDW_{cv}, PCT, PDW_{cv}, P-LCR, P-LCC

MEASURING PRINCIPLE

- Volumetric impedance method
- Light absorbance for HGB measurement

REAGENTS AND SAMPLING SYSTEM

Samples

- Sample volume - 25 µl of whole blood or 50 µl of predil. blood
- Sampling method - open tube system with automatic sample rotor
- Calibration - automatic or manual (WBC, HGB, RBC, PLT, MCV, RDW, MPV)
- Pre-dilution mode

Reagents

- 3 cyanide free reagents - Diluent, Lyse, Cleaner
- Optical reagent sensors, programmable waste container
- Online reagents inventory

QUALITY CONTROL

- Separate QC database
- Levy-Jennings graphs
- USB and barcode options to load QC values

TECHNICAL FEATURES

- Anti-clog protection
- Diagnostic flags (P.S.)
- Data storage capacity - 10,000 results with histograms
- Built-in thermal printer
- Printer interface - USB with support for HP printers and dot - matrix printers
- Compatibility with external keyboard & mouse
- External barcode reader (optional) - via USB connection

USAGE

- User interface - Color TFT touch screen, with separate start button
- Software upgrade - USB memory stick
- Data backup - USB memory stick
- Interfacing capabilities - 3 USB-A on back, 1 USB-A on front and 1 USB-B for interfacing to PC
- Multi-user mode - various privileges, limited access, unique passwords

OPERATING TEMPERATURE

- 15-35°C, Optimal temperature 25°C

POWER REQUIREMENT

- 12VDC, 5A, 60W - max, 10W - standby

DIMENSIONS

- Size (Width x Depth x Height)
33.5 x 31.5 x 38 cm (13.2 x 12.4 x 15 in)
- Weight: 10 kg, 21 lbs

Marketed by:

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