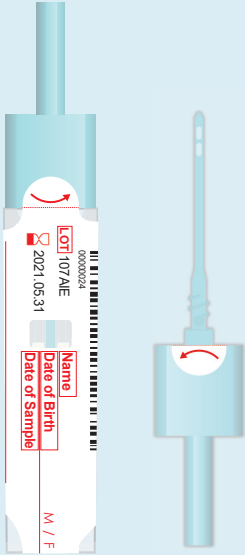


A FIT System for any Laboratory

HM-JACK^{arc}



The HM-JACKarc analyser is a compact bench top Faecal Immunochemical Test (FIT) system that measures faecal haemoglobin (f-Hb) concentrations. The latex reagent is specific for human haemoglobin and is measured by integrated spherical turbidimetry.

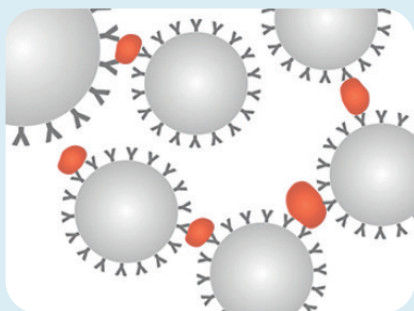
Advanced Sample Collection System

As with any method, the pre-analytical component is key to result accuracy.

- Convenient and hygienic sample collection device
- Uniform sample size independent of faecal consistency or who takes the sample
- Internal septum removes excess sample
- 2mg of sample in 2ml of buffer ($\text{ng/ml} = \mu\text{g Hb/g faeces}$)
- Collection buffer stabilises f-Hb in the sample
 - 120 days at 2-8°C (refrigerated)
 - 14 days at 25°C (ambient temp)
- Tamper seal and sample viewing window to confirm sample applied
- Collection tube loaded directly on the analyser

Fully Automated Instrument

- Designed for ease of use and is suitable for all laboratory personnel
- High throughput (200 samples/hour) to cope with large daily workloads
 - Time to first result 5.6 minutes
 - Additional results every 18 seconds
- User definable cut-off to differentiate between Symptomatic or Screening use
- Quantitative result enables monitoring of patients with low f-Hb levels
- Results expressed as ng/ml which is an equivalent numerical value in μg of Hb/g of faeces
- Factory set Master Curve with local 2 point recalibration
 - Calibrates system to local conditions and reagent combinations
 - Calibration weekly
- System can store 2 calibration curves
 - Calibration of different lots of latex
 - Same lots with different calibrators



Latex Reagent

- Provides a large concentration of capture antibodies
 - Wide dynamic range - 7ng/ml to 400 ng/ml ($\text{ng/ml} = \mu\text{g Hb/g faeces}$)
 - High Hook capacity > 200,000ng/ml
(Ensures no samples will give a falsely lower result)
 - Drives reaction kinetics to end stage equilibrium quickly

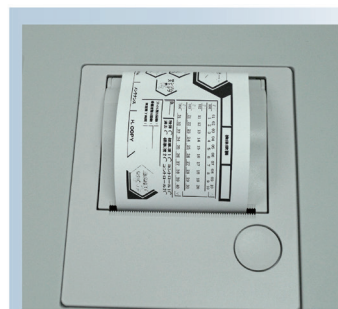
Automated FIT Testing: Easy as 1-2-3!



1. Add samples



2. Press START



3. Read results

System Specifications

Analysis Technology	Latex Particle Agglutination
Measurement Principles	Integrated Spherical Nephelometry (Turbidity)
Through-Put	200 tests per hour
Time to First Result	5.6 minutes
Sample Capacity	80 samples (8 x 10 position racks)
Calibration	Factory set 7 point curve With local correction using a 2 level calibrator
Data Output	RS232 serial port
Integrated Printer	32- figure thermal printer
Power Supply	AC220V +/- 10V
Power Consumption	300 VA
Dimensions	H 500mm x W 600mm x D 610mm
Weight	56 Kg



Ordering Information

Product Code	Description	Pack Size
057562	HM-JACKarc Analyser	1 Instrument
065553	EXTEL HEMO AUTO HS Latex	4 x 18ml
065555	EXTEL HEMO AUTO Buffer	1 x 250ml
065556	EXTEL HEMO AUTO HS Calibrator	8 x 1ml
065557	EXTEL HEMO AUTO HS Control	8 x 1ml
063631	EXTEL HEMO AUTO MC Collection Picker	200 Pickers
063632	EXTEL HEMO AUTO MC Collection Picker	400 Pickers
052404	Wash Liquid (Auto Detergent H)	1 x 200ml
057848	HM-JACK Print Paper A	2 Rolls
053150	HM-JACK Reaction Cell	1000 Pieces
053151	HM-JACK Sample Cup	500 Cups

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