

QuatroProbe

Automated extraction
of DNA from blood



Product Highlights

- Fully automatic
- Easy and simple operation
- Pre programmed SMART cards
- Up to 48 samples per run
- Rapid set-up and processing
- High product yield and purity



Automated capture and purification of genomic DNA from blood

QuatroProbe

- Long term instrument reliability
- Sophisticated yet simple electronics, mechanics and software
- Variable throughput from 4 to 48 samples per run
- Sample capacity: 200 μ l - 1000 μ l
- Easy sample I.D: Direct labelling or bar-code
- Automatic washing and purging cycles
- Few operator steps: One control knob only
- No PC required: Uses pre-programmed SMART cards

Utilises QuatroPak disposable reaction cartridges

- Based on magnetic bead separation technology
- Four chambers per QuatroPak - one chamber each sample
- Two mixing balls per chamber - shaking vigour controlled by software
- Total chamber volume = 8ml
- Typical blood sample volume = 250 μ l
- Chambers are spaced 9mm apart - enables access with multi-tip automatic pipettes
- Heat can be applied to enhance lysis and/or elution

Typical Application - Blood DNA extraction

Dedicated reagent kits are available from Bee Robotics for the extraction of genomic DNA from blood (fresh or frozen with EDTA anticoagulant) The extracted product has been extensively tested and found suitable for demanding applications such as HLA tissue genotyping.

QuatroProbe Instrument - simple operation

- Load reagents
- Load QuatroPaks (pre-loaded with sample)
- Insert SMART card
- Specify number of tests
- WALK-AWAY
- Remove DNA product
- Automatic 'End of Run' washing



SPECIFICATION

Dimensions:	57(h) x 61(d) x 48(w)cm
Weight:	28 kg
Power:	240v AC 50/60Hz
Power consumption:	80VA
Power supply:	500 VAC 47-63 Hz 4A rms@240V
Temperature Control:	Controllable heater pads
Reagent dispensing and accuracy:	Peristaltic Pumps +/- 2%
Processing volumes:	50ul to 8ml

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