

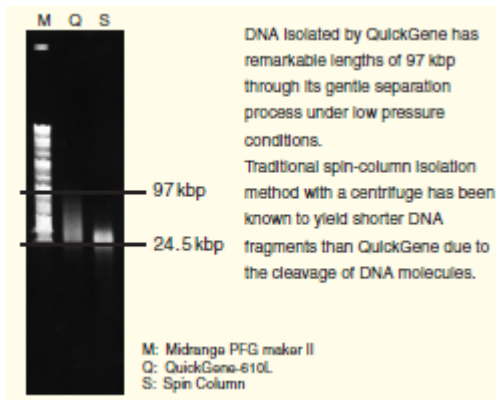
Technical Note - Blood and Saliva Samples

Automated Genomic DNA Isolation from 1-2ml of Blood and Saliva Samples

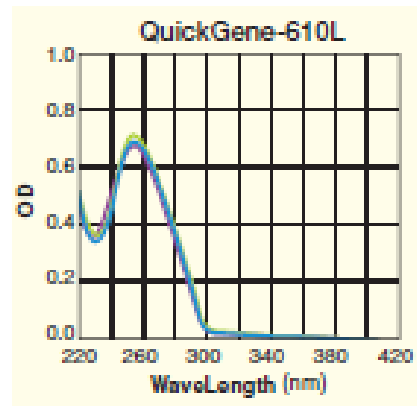
AutoGen offers different levels of automation to serve every laboratory's needs based on workflows and budget. Our QuickGene-610L automated workflow is the first and only totally automated system in a compact platform that can isolate up to 2mls of volume. The QuickGene workflow uses an ultra-thin polymer porous membrane along with gentle, positive air pressure to rapidly isolate high yield and high quality DNA from blood and saliva samples.

- Ready to use DNA – average of 50 ug DNA per 2ml of blood.
- Fast processing time – up to 6 x 1-2ml samples in under 30 minutes.
- High molecular weight – suitable for all downstream applications.
- Long term stability suitable for long term storage.

Longer DNA Samples



High Purity



AutoGen QuickGene-610L

Total automated workflow for large volume whole blood and saliva DNA extraction with QuickGene-610L.

Key Features

- Samples volumes from 1-2 ml
- Low throughput, 6 samples / run
- Multiple input racks add to daily throughput with checkerboard processing
- Ultra-thin polymer membrane does not require centrifuge or vacuum
- Archival quality DNA



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QuickGene-610L Principle and Procedure

Lysis buffer and protease are added to the 2ml whole blood sample and mixed thoroughly then added to a water bath for a 5 minute incubation at 56C. Next 99% Ethanol is added, mixed thoroughly and the entire lysate is transferred to the cartridge of the QuickGene-610L which completes the binding, washing and elution steps.

Revolutionary Porous Membrane

The QuickGene workflow uses an ultra-thin polymer membrane in a column that is significantly thinner than conventional glass fiber membranes. This ultra-thin membrane, along with gentle positive air pressure, effectively binds nucleic acids to the membrane. This results in high quality and high molecular weight nucleic acids with less shearing and contaminants compared to traditional spin-column methods.



Ordering Information and Kit Performance

PRODUCT #	PRODUCT NAME	SAMPLE SIZE	PROCESSING TIME	TYPICAL YIELD (µg/ml)	STANDARD ELUTION VOL.
FK-DBL	DNA Blood Kit L	1-2ml	12 minutes	25	500
FK-DBLC	DNA Blood Kit L CASE (8 kits)	1-2ml	12 minutes	25	500

AutoGen's promise is to provide the most practical, economically effective solutions for your sample prep and automation extraction solution needs, and to do it with a level of service, support, and responsiveness that leads the industry.