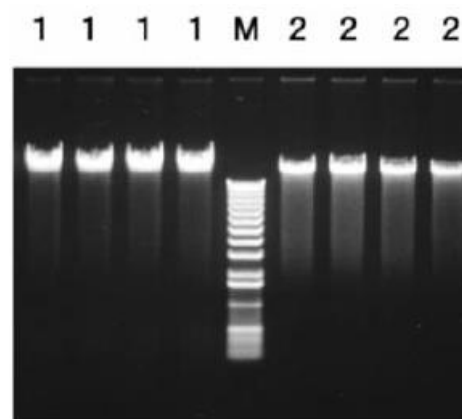
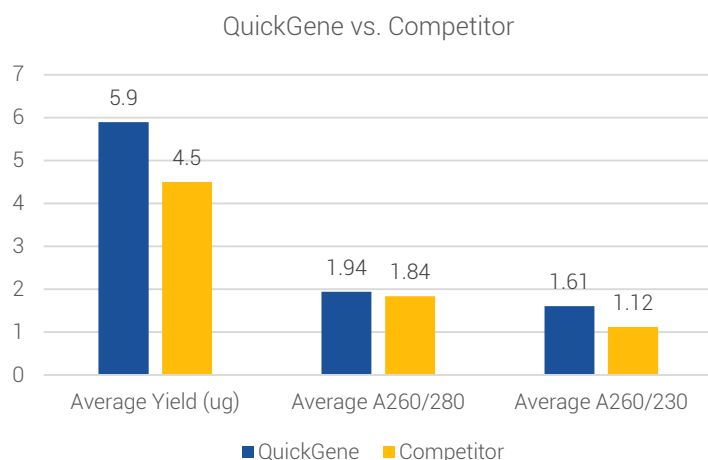


Technical Note - Blood

Automated Genomic DNA Isolation from 200µl of Blood Samples

AutoGen offers different levels of automation to serve every laboratory's needs based on workflows and budget. Our QuickGene series including the QuickGene-Auto12S, QuickGene-810 and QuickGene-Mini80 allow for different levels of automation for low throughput needs. 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 200µl blood.

- Ready to use DNA – average of 5 µg DNA per 200ul of blood.
- Fast processing time – up to 8-12 samples in under 30 minutes.
- High molecular weight – suitable for all downstream applications.
- Long term stability suitable for long term storage.



M: 1K bp ladder, 1: QuickGene, 2: Competitor

AutoGen QuickGene Workflow

Different levels of automated workflow for 200µl whole DNA extraction with QuickGene-Mini80, QuickGene-810 or QuickGene-Auto12S.

Key Features

- Samples volumes 200µl
- From semi-fully automated
- Low throughput, 8-12 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



Technical Note - Blood

QuickGene Workflow Principle and Procedure

With the QuickGene workflow, lysis buffer and protease are added to the 200µl whole blood sample and mixed thoroughly then added to a 2 minute incubation at 56°C. Next 99% Ethanol is added, mixed thoroughly then followed by binding, washing and elution steps. The QuickGene-Mini80 is non-automated, the QuickGene-810 is semi-automated and the QuickGene-Auto12S is fully automated in assisting in all these 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 (ug/200µl)	STANDARD ELUTION VOL.
FK-DBS	DNA Blood Kit	200µl	6-25 minutes	5	100
FK-DBSC	DNA Blood Kit CASE (8 kits)	200µl	6-25 minutes	5	100

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.