

AutoGenprep 965



The AutoGenprep 965 is our fully automated high throughput instrument for DNA extraction in the 96 well format, employing the proven solution phase organic extraction method. The 965 combines an automated 12 channel pipetting module, robotic plate movement and a built-in centrifuge to provide high throughput extraction at the lowest cost per prep. The 965 is an upgrade to our 960 model and has protocols available for Whole Blood, BAC/plasmid, Plant, Mouse Tail and ES Cells.

Robust Modular Design



Multi-Channel Liquid Handling

A 12-in-1 Multi-Channel Pipettor module distributes the necessary reagents into the 96 deep well plates at a very high speed. Specially designed 1000 µl tips are used to avoid any cross contamination.



Centrifuge

The on board centrifuge used to concentrate cultures, pellet protein and cellular debris, pellet the purified and is equipped with a HEPAFilter for biohazard reduction. The centrifuge module the capacity to process plates at a time.



Agitation

The agitation module assists in lysing the cells, mixing the reagents, precipitating the DNA and eluting the purified DNA. Up to four plates can be agitated at one time.



Reagent Reservoirs

The 9 independent reservoirs hold all the necessary reagents to run each protocol. The reagent reservoirs hold enough reagents to complete 2 full runs.



Exclusive Software

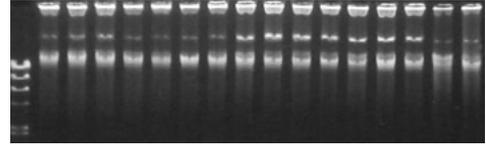
The exclusive software of the AutoGenprep 965 is a user-friendly, easy-to-operate system based on Windows 98. The operation status can easily be monitored on the display of the PC. This flexible system allows various operating parameters to be modified and up to eight different user files to be saved.

High Yield...

The AutoGenprep 965 consistently produces a High Yield of DNA that is superior to conventional manual methods. The DNA yield is very dependable, and the coefficient of variation (CV) is less than 9.0%.*

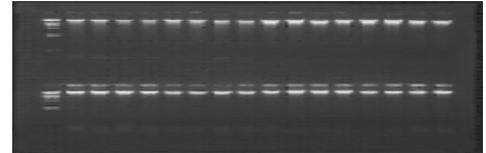
Purified BAC DNA

DH10B/pBelo BAC clone was cultured in TB media for 20 hours. BAC DNA was extracted from 1.0ml culture on the AutoGenprep 965. 6µl BAC solution was loaded onto a 0.7% agarose gel and analyzed by electrophoresis at 100 V.



Purified Whole Blood DNA

Genomic DNA was extracted from 200µl of EDTA-treated human whole blood using 3 different methods. The extracted DNA was loaded onto a 0.7% agarose gel and analyzed by electrophoresis at 50V and compared on the gel. *(In case of plasmid prep)



Upper Lanes: Competitor's manual kit (left hand side);
Manual extraction (right hand side).
Lower Lanes: AutoGenprep 965 whole blood protocol.

Origin	Cell Density (OD660)	Sample Volumes	Yield	OD
Whole Blood		200 µl	3–5 µg	1.70–1.80
BAC	6.0–7.5	1.0 ml	0.5–1.0 µg*	1.80–1.85

*Calculated from the fluorescent signal intensity of the vector fragment on Pulse Field Gel Electrophoresis.

...and High Quality

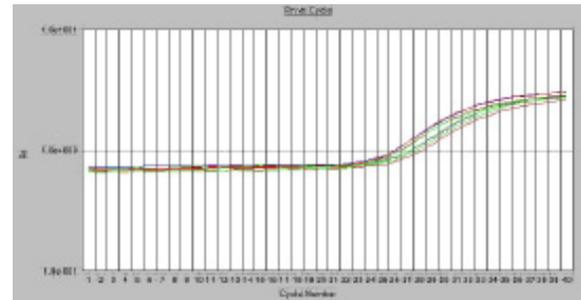
The AutoGenprep 965 automatically produces High Quality DNA that is comparable or better than conventional manual methods. The DNA extracted by the AutoGenprep can be used directly in sequencing reactions, PCR, real-time PCR and more.

Real-Time PCR: Whole Blood

Genomic DNA was extracted from 3 different anti-coagulated human whole blood samples (EDTA, Sodium Citrate, CPDA-1) on the AutoGenprep 965. 20ng of the extracted DNA was subject to real-time PCR and all the samples were successfully amplified.

Instrument: ABI Prism 7000

Chart to right indicates Kit:TacMan Universal PCR Master Mix Primer & Probe: Eukaryotic 18S4RNA Cycle: 60°C, 2 min – 95°C, 10 min [95°C, 15 sec – 60°C, 1 min] x 40



What we mean by prep with confidence

At AutoGen our mission is to provide our customers with the tools necessary so they can have complete confidence in our systems and the results they produce. We think this makes us unique in our market. We are not a large multinational corporation with hundreds of products. We are a cohesive team that focuses on delivering reliable and innovative technologies for sample prep. We believe that our customers and their requirements come first. As an AutoGen customer you have our personal guarantee that no one in the industry will work harder to insure your satisfaction with our products and services.

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