

AutoGen

FLEX STAR



Automated Genomic DNA Isolation From Whole Blood

The AutoGen FLEX STAR...

Developed in collaboration with QIAGEN, automates large volume whole blood DNA isolation providing:

- Completely automated walk-away system
- Large batch size - 30x5ml per run, 90x5ml per day
- Internal bar code scanning for sample tracking integrity
- PC workstation for data management
- Fits your budget and your lab
- Isolation of DNA from whole blood, buffy coats, tissues, cells, buccal swabs, Oragen saliva and more.

Qiagen's FlexiGene* Chemistry

Isolates genomic DNA from large volume whole blood samples. Key features include:

- Collection of nuclei pellet facilitates RNA removal
- Complete protein elimination by protease digestion
- High quality, high molecular weight DNA
- Compatibility with all downstream applications
- Purified DNA stable for long term storage

* FlexiGene kits can be purchased directly from AutoGen

Robust Modular Design



On-Board Centrifuge and XYZ Robot

- 6-position swing type buckets
- Variable speed and duration settings
- HEPA-Filter for biohazard reduction.



Reagent Dispensing

- 9 independent motor driven syringes
- Reagents optimized for individual protocol
- 2 separate waste bottles for biological and non-infectious waste with overflow sensors



User Friendly Touch Panel

• The LCD screen is the operator interface screen to the system. Simply touch the screen to choose a protocol and initiate the run. Also allows for creation of customized protocols.

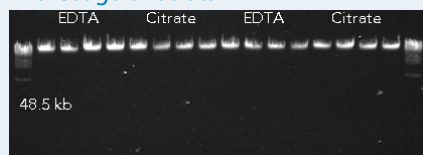


Heater Shaker

• Infrared heater decends to dock with shaker to become a heating shaker allowing for quicker drying time.

The Flexigene Chemistry produces High Quality and High Molecular Weight gDNA

Anti Coagulant Data



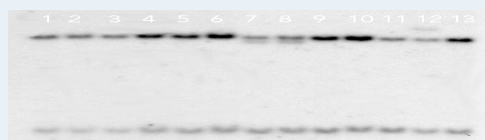
Genomic DNA was purified from 5 ml whole blood. Blood was treated with EDTA or Citrate, respectively and stored at 4°C for 3 days, 4 donors, 4 replicates, 200ng gDNA per lane.

Cross Contamination Study



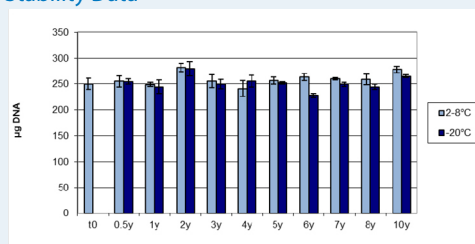
Twenty 5ml Blood samples (+) and twenty negative plasmid samples (-) were processed in a checkerboard pattern on the AGF. Eluates were amplified using a single copy Hvgl gene PCR assay. M: Markers

VHL Southern Blot



Southern blot comparing AGFSTAR DNA and manually extracted DNA hybridized with a probe for the VHL gene. Lanes 1,3,5,7 and 9 used DNA manually extracted with a commercially available kit and Lanes 2,4,6,8 and 10 used DNA extracted with the AGFSTAR.

Stability Data



Purified genomic DNA can be safely stored long term at 2-8°C or -20°C.

The AutoGen FLEX STAR provides Sample Tracking And Reporting capability

- Sample Tracking with Bar Code Identification
- PC Interface for Data Management
- File Sharing through your local network
- Run report records on all operational activity



File	Sample	Run	Version		
Protocol	PROTOCOL87	File No.	9		
Operator	pcmon				
Restart status:	ERR No. Step No. Tube No. Repeat				
Start time	2012/07/20 10:56:01				
Result	OK				
Finish time	2012/07/20 11:34:56				
Error status:	ERR No. Step No. Tube No. Repeat				
Sample Location	Donor ID	Sample tube ID	Donor DNA ID	DNA tube ID	Comment
A1	1000035506	1000006189	1000035505	1000006310	
A2	1000035510	1000006189	1000035510	1000006310	
A3	1000035515	1000006189	1000035515	1000006310	
A4	1000035520	1000006189	1000035520	1000006310	
A5	1000035525	1000006189	1000035525	1000006310	
B1	1000035530	1000030501	1000035530	1000006305	
B2	1000035530	1000030501	1000035530	1000006305	
B3	1000035535	1000030501	1000035535	1000006305	
B4	1000035540	1000030501	1000035540	1000006305	
B5	1000035545	1000030501	1000035545	1000006305	

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.

AutoGen

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