

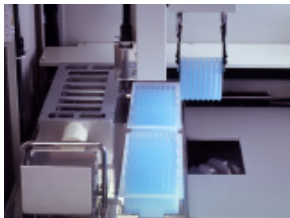
AutoGen

# GENE PREP



The **GENE PREP** is a fully automated plasmid and genomic DNA isolation system. Simply place your samples on the workstation, press the start button and walk away. The GENE PREP will deliver high yields of very pure DNA, ready for the next step in your process.

## Robust Modular Design



### On-Board Centrifuge and XYZ Robot

Assists in fully automating the entire extraction process including DNA resuspension.



### Heating Shaker

Infrared heater descends to dock with shaker to become a heating shaker allowing for quicker DNA drying time of 15 minutes as well as on board ProK and CTAB digestion.



### Reagent Dispensing System with Optional Expandable Lines

Independent motor driven syringes for loading and dispensing of reagents. Option of 6, 9 or 12 independent lines eliminates the need to switch out reagents when changing protocols, eliminating contamination, error and necessity of washing the lines.



### Key Features:

- Total Automation
- Multiple Sample Capability
- Low Cost Per Sample
- High Yield
- High Quality DNA



### 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.



### Optional Tube Unit Stacker

Store additional tube units and quadruple your batch size capacity from 48 samples in 2 hours to up to 192 samples per run in 8 hours unattended.

## Key Features Include...

- Wide Variety of Samples

Protocols available include gDNA from animal tissues, cells, buffy coats, Oragene saliva as well as plasmid and BAC DNA isolation.

- Easy-to-use

The built-in centrifuge eliminates the need to collect bacteria pellets manually before the run. The optional stacking device allows unattended operation for up to 192 samples. The touch screen interface makes changing and storing protocol parameters simple.

- Flexible Protocol Setting

The parameters such as centrifuge time, mixing time and reagent volume can be changed very easily. When an error occurs, the GENE PREP can be restarted from the point where the error occurred.

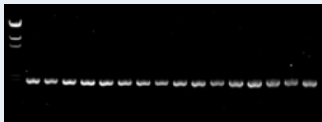
- Low Running Cost

AutoGen has developed proprietary reagent kits and consumables which provide low running cost. Our disposable tube unit is compatible with commercially available 8-channel pipettors.

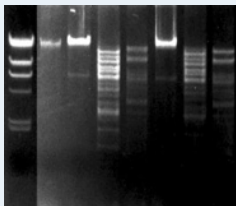
## High Quality and High Yield...

### Plasmid

Culture volume: 2.0ml (2 XYT medium)  
Plasmid/Host: pUC18 / E.coli JM109  
Protocol: Plasmid

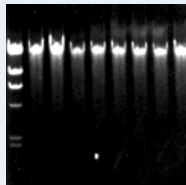


Restriction enzyme digestion  
pBeloBAC / E.coli DH10B



M: Ramda/Hind  
L: size Marker  
E: undigested  
F: NotI  
G: ECORI  
H: B. HindIII

### Animal Tissue



PCR amplification

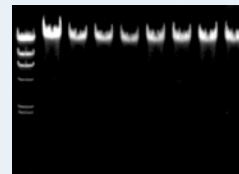


Sample: 10mg of mouse tail  
Pretreatment: Incubation with Pro K at 55C for 14 hours.  
Protocol: Animal Tissue

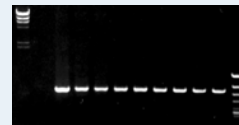
Template DNA: 200ng each  
Number of Cycles: 35  
Target gene: ICAM-1 (Amplicon size 535bp)  
M: phiX174 HincII size marker  
C+: Positive control  
C-: Negative control

### Plant Tissue

Sample: 100mg of rice leaves  
Pre-treatment: Disrupted with tissue grinder  
Protocol: Plant Tissue DNA Ver.2



PCR amplification



Template DNA: 100ng each  
No. of Cycles: 30  
Target gene: rbcl  
Amplicon size: 170bp

M: phiX174 HincII size marker  
C+: Positive control  
C-: Negative control

### 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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