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Product Information

GenElute™ HP 96 Well Plasmid Miniprep Kit: Importing Method Files for the Biomek® FX (Beckman Coulter)

I. Introduction

The Biomek FX files provided with this document were designed to run Sigma's GenElute HP 96 Well Plasmid Miniprep Kit. The following describes the hardware requirements necessary to utilize this method, along with instructions on how to import the files. Before running the automated method, please review the Automation Protocol for the GenElute HP 96 Well Plasmid Miniprep Kit on the Biomek FX located at www.sigma-aldrich.com/automation

II. Hardware Requirements

The method provided for the GenElute HP 96 Well Plasmid Miniprep Kit was developed using a Biomek FX with a dual pod configuration, but only the Multichannel Pod is used in the method. Modifications will need to be made to the method if using with an instrument with a single pod configuration.

Part Description	Qty
Multichannel Pod (96 Mandrel 200 µl Head) with integrated Gripper	1
Tip Loader	1
Orbital Shaker	1
Standard Passive ALPs (Four by Three)	1
Standard Passive ALPs (One by One)	3
SPE ALP with Manifold	1
Manifold Holder ALP	1
36 mm Manifold Collar	1
23 mm Spacer Collar	1
AP96 250 µl Tips	7

III. Software Requirements

The GenElute HP 96 Well Plasmid Miniprep method was developed using Biomek software version 3.1. If using another version of this software, confirm the method's compatibility prior to use.

IV. Method Download Instruction

1. Download the self-extracting archive (GenElute HP 96 Well Plasmid Miniprep.zip) containing method and import files necessary to run the plasmid miniprep method on the Biomek FX. Files included in this archive are as follows:
   GenElute HP 96 Well Plasmid Miniprep Kit.imp
   GenElute HP 96 Well Plasmid Miniprep.bmf
   FX Timer.zip
2. Click on files to select for extraction.
3. Copy files to a directory on the computer for the Biomek FX.

V. Importing Method Files into the Biomek Software

1. Open the Biomek software program.
2. To create a new project, go to the **Project** menu and select **New Project**. Enter **GenElute Plasmid Miniprep** as the new name.
3. To import information such as labware definitions, liquid type, and pipetting templates, go to the **Project** menu and select **Import Project**.
4. Navigate to the directory where the extracted files are saved.
5. Select **GenElute HP 96 Well Plasmid Miniprep Kit.imp** and click **Open**.
6. To import the method, go to the **File** menu and choose **Import**.
7. Navigate to the directory where the extracted files are saved.
8. Select **GenElute HP 96 Well Plasmid Miniprep.bmf** and click **Open**.
9. Choose **Yes** when asked if you wish to import the methods into the current project.

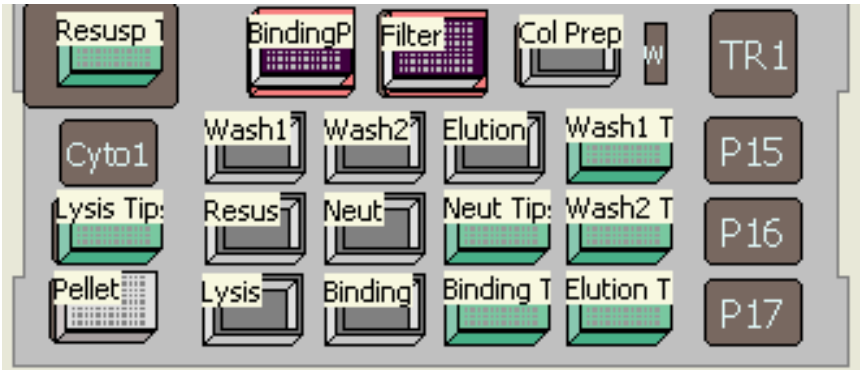
VI. Timer Software Installation

A countdown timer has been included in the automated method to show how long some of the steps have until completion. This requires the installation of additional software in **FX Timer.zip**, and is found in the self-extracting archive previously mentioned. Please follow the steps below to install the timer software.

1. Open the file **GenElute HP 96 Well Plasmid Miniprep Kit.Zip**
2. Extract the file **FX Timer.Zip** using WinZip
3. Open and extract the files in **FX Timer.Zip**
4. Double click **Setup.exe** and follow instructions for installation of the Timer Software

VII. Configuring the Deck for the GenElute HP 96 Well Plasmid Miniprep Method

Instrument configurations, deck definitions, or numbering of deck positions may vary from those used at Sigma-Aldrich® in development of these methods. To run these methods, some labware rearrangement may be required. The deck layout for the GenElute HP 96 Well Plasmid Miniprep method is provided as a guide.



Deck Position From left to right	Equipment
Row 1-TL1	Tip Load with AP96 250 µl Tips
SPE1	Vacuum Manifold - protocol starts with Binding Plate on 36 mm collar on top of manifold
Holder1	Filter Plate on top of 23 mm collar
P7	96 well reservoir with Column Preparation Solution/ Elution microplate will end up in this location at end of protocol
Row 2- P1	96 well reservoir with Wash Solution 1
P4	96 well reservoir with Wash Solution 2
P8	96 well reservoir with Elution Solution
P11	AP96 250 µl Tips
Row 3-P14	AP96 250 µl Tips
P2	96 well reservoir with Resuspension Solution
P5	96 well reservoir with Neutralization Solution
P9	AP96 250 µl Tips
P12	AP96 250 µl Tips
Row 4-Orbital 1	Orbital shaker with 96 well deep well block containing cell pellets
P3	96 well reservoir with Lysis Solution
P6	96 well reservoir with Binding Solution
P10	AP96 250 µl Tips
P13	AP96 250 µl Tips

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