

Quick Start Guide

Biotage® PhyPrep

1) Choose Your Scale

Determine the culture volume and culture media needed for generating pellet wet weight of *E. coli* cells for your prep scale. It is recommended to use TB or other high growth media for optimal yield.

Prep Scale	Culture Volume Per Sample	Pellet Wet Weight Per Sample	Optimal Cell Pellet Weight	Plasmid Mass
Maxiprep	150–250 mL	3–5 g	3 g	Up to 1 mg
Megaprep	350–500 mL	6–8 g	7 g	Up to 5 mg
Gigaprep	600–750 mL	14–16 g	15 g	Up to 10 mg

2) Grow Culture

Grow overnight cultures and harvest the cell pellets by centrifugation. Discard supernatant.



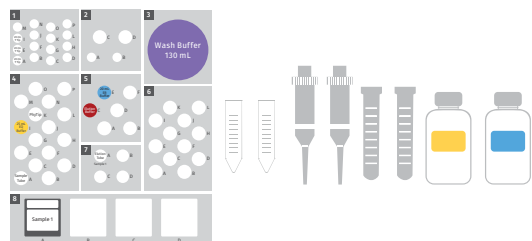
3) Select Your Plasmid Prep

Power up the instrument and select your prep scale, number of samples, and elution volume in the PhyPrep software.

Prep Scale	Elution Volume	Number of Sample Preps	Run Time (Hour/Minutes)
Maxiprep	5 mL	1	42 m
		2	42 m
		3	1 h 10 m
		4	1 h 10 m
Megaprep	18 mL	1	1 h 16 m
		2	1 h 16 m
		3	2 h 22 m
		4	2 h 22 m
Gigaprep	28 mL	1	2 h 31 m
		2	2 h 34 m
		3	4 h 57 m
		4	4 h 58 m

4) Set Up Deck

Set up the deck with consumables as described in the method protocols.



5) Prepare Culture

Resuspend, lyse, and precipitate the sample(s) using the color-coded buffer system.

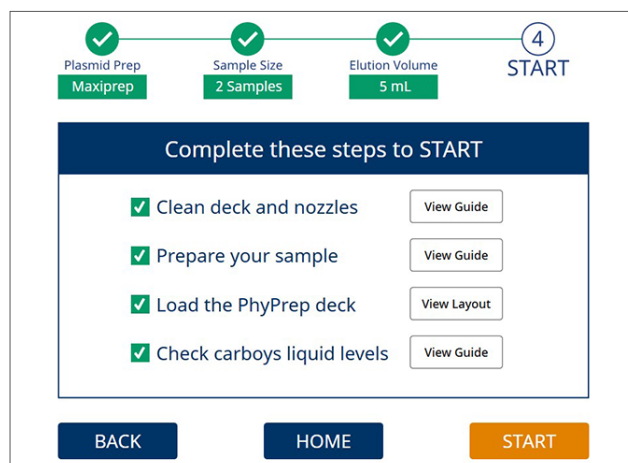


Then pour precipitated sample into sample filter reservoir on the instrument.



6) Run Method

Press START in the PhyPrep application to start the method run.



7) Collect Plasmids

When the run is complete, collect the elution tubes from the elution stand. Use immediately for downstream assays or refrigerate or freeze for later use.

