

Automated plasmid purification

- from Maxi to Giga scale

- Biotage® PhyPrep





High yield plasmids. Less hassle. Total confidence.



Transfection-grade plasmid DNA

High purity, low endotoxin,
supercoiled, ready to use



Intuitive workflow

Minimal setup with pre-filled
buffers and touchscreen control



Hands-free operation

Load sample, press start,
walk away



Reliable results

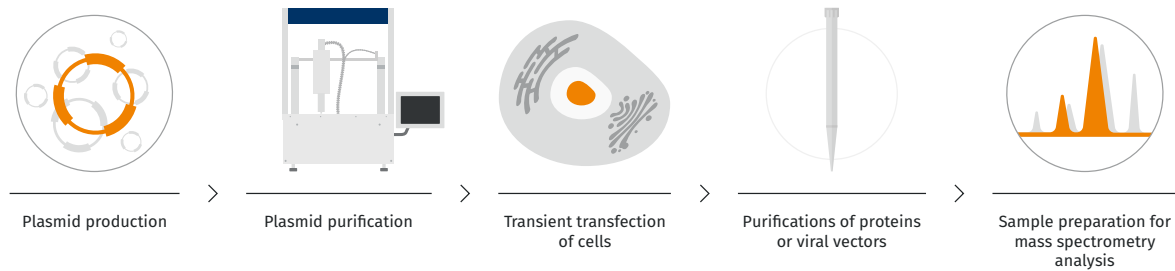
Consistent yield and purity every
batch



Scalable automation for your growing demands

From Maxi to Giga preps, Biotage® PhyPrep scales effortlessly with your research needs –delivering up to 10 mg of plasmid DNA per run with walkaway automation. Whether you're running a few samples or scaling up for production, Biotage® PhyPrep is the only automated plasmid purification system that grows with your lab.

Biotage® PhyPrep workflow





Focus on delivery. Not prep time.

Manual plasmid purification is slow, inconsistent, and resource-intensive, especially at scale. Biotage® PhyPrep simplifies the process, delivering high-purity plasmid DNA from cell pellets at Maxi, Mega, and Giga scales.

Let Biotage® PhyPrep handle the plasmid purification consistently, cleanly and hassle-free. You can stay focused on designing experiments, analyzing data, and driving biologic results.



Plasmid yield

1 mg (MaxiPrep) / 5 mg (MegaPrep) / 10 mg (GigaPrep)



Samples per run

1–4



Supercoiled plasmid DNA >80–90%





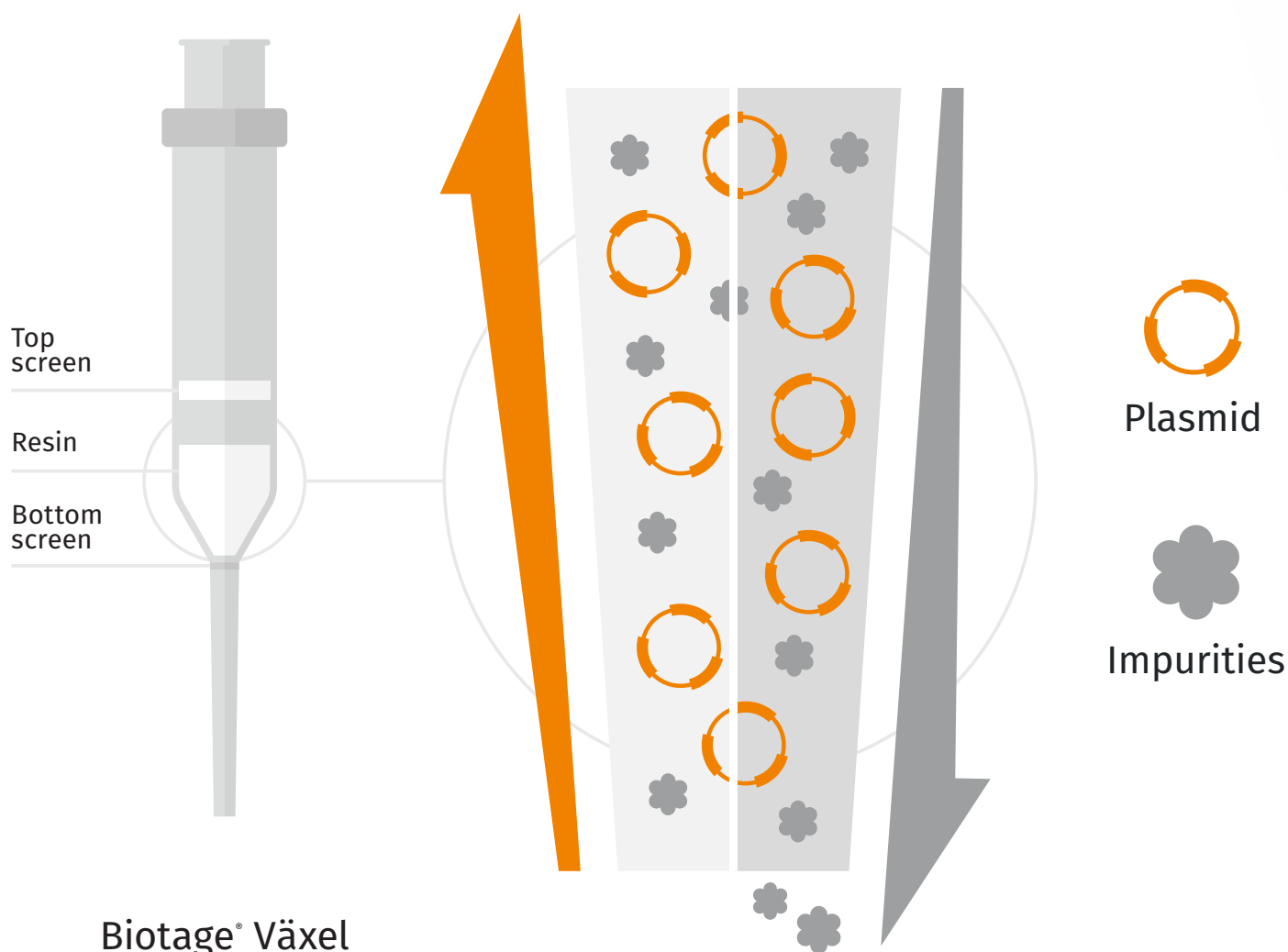
Reduce sample prep time
by up to 40% and accelerate
your discovery pipeline.



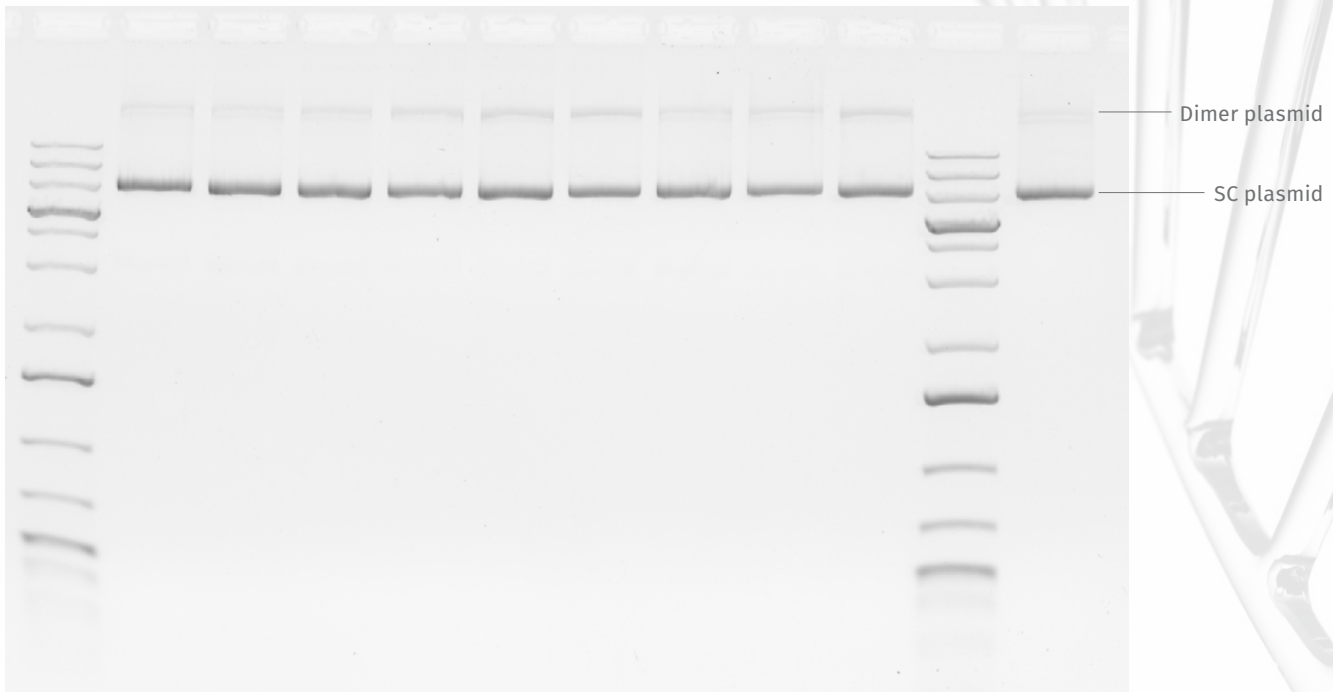


Dual flow chromatography for consistent results

We know that when it comes to plasmid quality, there's no room for compromise. Using our proprietary dual flow chromatography technology, Biotage® PhyPrep ensures high quality DNA. This highly pure plasmid DNA is suitable for many downstream applications, such as transient transfection, protein expression, gene therapy, DNA sequencing and vaccine development.



>80-90% supercoiling. Maximum performance.



Lane	Sample	Rep	Lane	Sample	Rep
1	DNA ladder		7	MegaPrep	#3
2	MaxiPrep	#1	8	GigaPrep	#1
3	MaxiPrep	#2	9	GigaPrep	#2
4	MaxiPrep	#3	10	GigaPrep	#3
5	MegaPrep	#1	11	DNA ladder	
6	MegaPrep	#2	12	Competitor	

Figure 1. Electrophoresis analysis of plasmid integrity shown on a 1% EtBr agarose gel of three Biotage® Maxi, Mega and Giga scale PhyPrep runs. All samples were normalized to 100ng of nucleotide per well from individual purification runs along with a leading competitor as a control in lane 12. The main product is supercoiled (SC) plasmid with the alternative plasmid dimer form.

Ordering information

Part number	Description	Qty
Instrument		
416700	Biotage® PhyPrep (requires 356330SP)	1
356330SP	Vacuum pump ME1C	1
417550SP	Accessory kit, vacuum pump ME1C PhyPrep	1
419295SP	Retrofit upgrade kit	
Consumables		
DPM-16-05-72-KIT2	Biotage® Plasmid MaxiPrep kit transfection-grade (16 samples)	1
DPM-16-10-72-KIT2	Biotage® Plasmid MegaPrep kit transfection-grade (16 Samples)	1
DPM-08-20-72-KIT2	Biotage® Plasmid GigaPrep kit transfection-grade (8 samples)	1
DPM-16-12-70-KIT	Biotage® MaxiPrep 0.6 concentration kit (16 samples)	1
DPM-16-32-70-KIT	Biotage® MaxiPrep 1.2 concentration kit (16 samples)	1
DPM-16-50-70-KIT	Biotage® MegaPrep 3.0 concentration kit (16 samples)	1
DPM-16-85-70-KIT	Biotage® MegaPrep 5.5 concentration kit (16 samples)	1
DPM-08-15-70-KIT	Biotage® GigaPrep 9.5 concentration kit (8 samples)	1
DPM-08-22-70-KIT	Biotage® GigaPrep 12.0 concentration kit (8 samples)	1



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