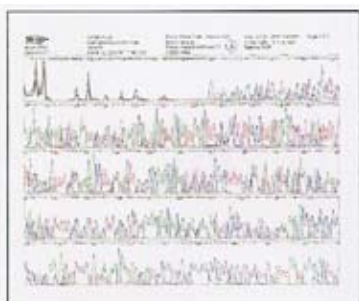


High Throughput Plasmid DNA Binding Plate

Plasmid DNA purification must consistently provide clean high-quality DNA. GE Healthcare has developed the Plasmid DNA Binding Plate that works either as a stand-alone method or as part of our high throughput miniprep system. The Whatman Plasmid DNA Binding Plate has 96, 800 μ l polystyrene wells encapsulating a Whatman filter that binds plasmid DNA. Plasmid DNA is bound to the filter under chaotropic conditions, washed twice, and then vacuumed to dryness in a single vacuum station.

The purified plasmid DNA is eluted by vacuum in a final volume of 100 μ l into a non-binding polypropylene collection plate using water or TE. Since the DNA is ready to use, further ethanol precipitation is unnecessary. The final concentration is 50 to 100 ng/ μ l, depending on the original culture. The OD₂₆₀/OD₂₈₀ ratio is 1.9 per sample and the yield in all 96 wells "maxes out" at 6 μ g.



Fluorescent sequence analysis of plasmid DNA with the Whatman DNA Binding Plate.

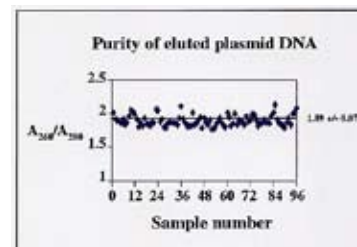


Chart shows the consistent and reproducible purity across all 96 wells.



This 0.8% agarose gel illustrates the reproducible yields and high quality plasmid DNA.

Fig 1. Quality of DNA obtained using the Plasmid DNA Binding Plate.

The Plasmid DNA Binding Plate can be used with both vacuum and centrifuge processing techniques, making it a vital and flexible tool in every high throughput lab.

- Average DNA recovery of 6 μ g per well on average
- Consistent yield across all 96 wells
- Eluted plasmid DNA is free of genomic DNA contamination
- High-quality DNA suitable for PCR, restriction digestion and sequencing
- Save time, no desalting or ethanol precipitation
- No kit required, significantly reduces costs

Full protocol on www.whatman.com



Ordering information

Catalog number	Description	Quantity
7700-2810	800 µl Plasmid DNA Binding Plate	25 per case
7770-0062	800 µl Lysate Clarification Plate 2 0.45 µm PP filter	25 per case
7701-5205	2 ml 96-Well Growth Plate irradiated, lidded, individually bagged	25 per case
7720-2830	800 µl Lysate Clarification Plate	25 per case
7701-5200	2 ml Collection Plate	25 per case
7701-5750	750 µl Harvest Plate	25 per case
7701-5250	250 µl Recovery Collection Plate	50 per case
7705-0102	800 µl UniVac 3 Vacuum/Collect Manifold	1 per box

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For local office contact information, visit
www.gelifesciences.com/whatman



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