

96 Well Bacterial Growth Plate

The Whatman High Throughput Bacterial Growth plate can simplify and accelerate the growth of 96 individual 1.5 mL bacterial cultures. It is used for both overnight cultivation and the initial "spin down" of bacteria. Made of medical grade polypropylene with a clear polystyrene lid, this gamma-irradiated plate eliminates the need to grow multiple, discrete cultures.



Ordering Information

96 Well Bacterial Growth Plate					
Catalog Number	Well Format	Well Volume (mL)	Plate Material	Irradiated with Lid	Quantity/Case
7701-5205	96	2	Polypropylene	Yes	25 (individually bagged)

96 Well Lysate Clarification UNIFILTER®

The Whatman Lysate Clarification UNIFILTER can utilize either a vacuum or centrifuge. The vacuum process is significantly easier to automate with consistency across all wells. It also has an average DNA recovery rate 10 to 30% higher than the manual centrifuge method. This method filters out cell debris to obtain plasmid DNA in the aqueous phase. Whatman filter technology results in high particle retention and fast flow rates while producing a clean lysate. The Lysate Clarification plate is an important tool for high throughput plasmid DNA purification.



Ordering Information

96 Well Lysate Clarification UNIFILTER®					
Catalog Number	Well Format	Well Volume (µL)	Plate Material	Filter Media	Quantity/Case
7720-2830	96	800	Clear Polystyrene	Lysate Clarification	25

96 Well DNA Binding UNIFILTER®

The Whatman Plasmid DNA Binding UNIFILTER works either as a stand-alone or as part of our high throughput miniprep system. Plasmid DNA is bound to the filter under chaotropic conditions, washed twice and then vacuumed dry on a vacuum manifold. The plasmid DNA is eluted by vacuum in a final volume of 100 μL into a nonbinding polypropylene collection plate using water or TE^{-1} Buffer. The DNA is ready to use and further ethanol precipitation is unnecessary. The final concentration is 50 to 100 $\text{ng}/\mu\text{L}$, depending on the original culture. The $\text{OD}_{260/280}$ ratio is 1.9 and the yields in all 96 wells "max out" at 6 μg . Full protocol available on request.

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



Ordering Information

96 Well DNA Binding UNIFILTER®					
Catalog Number	Well Format	Well Volume (μL)	Plate Material	Filter Media	Quantity/Case
7700-2810	96	800	Clear Polystyrene	DNA Binding	25



384 Well DNA Binding UNIFILTER®

The 384 Well DNA Binding UNIFILTER provides highly reproducible results with yields exceeding 2 µg/well, from bind-wash-elute processing with collection by filtration. Minimal liquid hangup allows for reduced elution volume, enabling DNA concentration as high as 150 ng/µL. The DNA is ready to use and further ethanol precipitation is unnecessary.



Ordering Information

384 Well DNA Binding UNIFILTER®					
Catalog Number	Well Format	Well Volume (µL)	Plate Material	Filter Media	Quantity/Case
7700-2110	384	100	Clear Polystyrene	DNA Binding	50
7701-1100	384	100	Clear Polystyrene	N/A	50

High Throughput Genomics UNIFILTER®

With ever increasing demand for simple, fast methods to purify DNA from bacterial cultures, the Whatman Genomics microplate is the ideal solution for the clarification of lysates containing large insert vectors.

This microplate has a Cellulose Acetate membrane with a special support, which clears nonchaotropic bacterial lysates, and long drip directors.

Without further purification, the DNA is clean enough for further enzymatic manipulation. Cellulose Acetate acts as both a depth filter and a fine particle filter. The 0.45 µm pores do not block because of the depth effect of the membrane. Cellulose Acetate is also inert and does not bind either DNA or protein.



Ordering Information

High Throughput Genomics UNIFILTER®					
Catalog Number	Well Format	Well Volume	Plate Material	Filter Media	Quantity/Case
7700-2808	96	800 µL	Clear Polystyrene	0.45 µm Cellulose Acetate	25
7701-5200	96	2 mL	Natural Polypropylene	N/A	25