



AmMag™ Quatro Mini - 1100



Automated Mini-scale Purification for
Plasmid, Protein and Antibody



UV

Programmable
decontamination



Dual Functional

Transfection-grade plasmid DNA
High purity protein and antibody



Scalable

Up to 192 samples for
plasmid purification
Up to 384 samples for
protein/antibody purification



Automated & Consistent

Walk-away automation with fast
set-up and verified protocol

Plasmid Purification

Highlights



Transfection-grade plasmid



Automated workflow



Scalable throughput



Decontamination with UV light

Specification

Plasmid Types	High-copy and low-copy
Decontamination	UV light included
Endotoxin level	Low-endo kit < 1 EU/ μ g Endo-free kit < 0.1 EU/ μ g (coming soon)
Throughput	48 samples per module 384 samples with a 4-module setup
Culture Volume	\leq 2 mL
Yield	20-40 μ g/sample (high copy plasmid)
Total Time	< 90 minutes

Workflow



Culture

Overnight in 48 deep-well plate



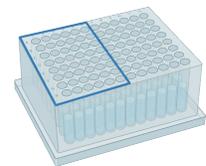
Centrifugation

4000 g, 4°C,
10 mins



Automated Purification

Load the magbeads and reagents provided. Purification in 90 minutes



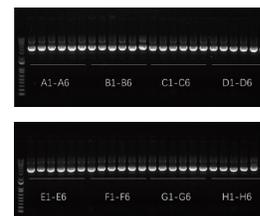
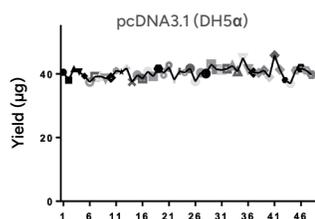
Ready-to-use Plasmid

Dispensed in 96 deep-well plate

Case Study

► Uniformity Testing Showing Consistent Yield and Concentration in a 48-Well Plate

Plasmid: pcDNA3.1; Bacterial Strain: DH5 α ; Culture Medium: 2 mL TB; Culture Time: 16 hours



The AmMag™ Quatro Mini 1100 can purify 48 samples per run, delivering consistent quality pDNA with high yield, excellent supercoiling, and low endotoxin levels, making it ideal for downstream transfection applications.

Protein and Antibody Purification

Highlights



Versatile plate format



Fast protocol



Automated workflow

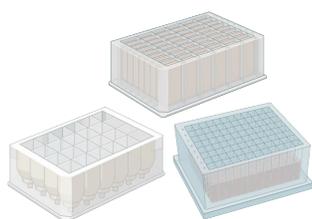


Scalable throughput

Specification

	24 deep-well	48 deep-well	96 deep-well
Plate Format	24 deep-well	48 deep-well	96 deep-well
Throughput	24 samples per module. Up to 96 samples with a 4 module setup	48 samples per module. Up to 192 samples with a 4 module setup	96 samples per module. Up to 384 samples with a 4 module setup
Sample Volume	Up to 4 mL	Up to 2 mL	Up to 1 mL
Purity	~ 90%		
Total Time	Up to 60 minutes	Up to 60 minutes	Up to 90 minutes

Workflow



Culture

Overnight in 24/48/96 deep-well plate



Automated Purification

Load the magbeads and reagents provided. Purification in 60-90 minutes.



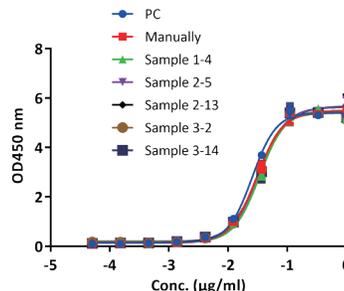
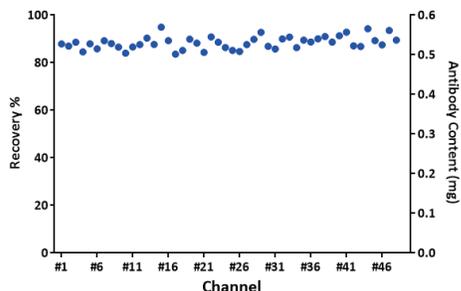
Ready-to-use Protein/Antibody

Dispensed in 96 deep-well plate

Case Study

► Uniformity and Functional Testing Showing Consistent Yield and Bioactivity

Sample: hlgG; Volume: 1 mL; Expression Host: CHO Titer: ~600 µg/ml



The AmMag™ Quatro Mini 1100 can purify 48 samples per run, delivering > 80% recovery for one elution, highly consistent yield with CV at 3%, and comparable bioactivity via ELISA compared to manual process and positive control.

Module and Controller

	Automation Purification Module-Mini 1100	System Controller-Mini	System Controller-Maxi
Dimensions L x W x H	689 mm x 720 mm x 708 mm	332 mm x 346 mm x 249 mm	382 mm x 461 mm x 249 mm
Features	Compatible with both Mini and Maxi Controllers	Controls up to 4 Mini automation modules, independently	Controls up to 4 Mini or Maxi automation modules, independently
Environment	Ambient temperature: 18°C~40°C; Relative humidity: ≤ 85%; Altitude: ≤ 2000 m		
Power supply	Voltage: 100-240 V - Frequency: 50/60 Hz - Power Rating: 2000 VA - Voltage Category: Class II		

Consumables and Reagents

Consumables

AmMag™ Quatro Plasmid Mini Consumables, 96 Preps

AmMag™ Quatro Reaction Plates

AmMag™ 48-Deep Well Plates

AmMag™ 96-Deep Well Plates

AmMag™ Quatro 96-Well V-Bottom Deep Well Plates

AmMag™ 4-Column Reagent Reservoir

AmMag™ Quatro 1100 Protein Magnetic Beads Reservoir

AmMag™ Quatro 1100 Magnetic Separation Rack

AmMag™ Quatro 1100 Centrifuge Tube Rack

AmMag™ 1000 µL Boxed Tips

Plasmid Purification Reagents

AmMag™ Quatro Low-Endotoxin Plasmid Purification Mini Kit

AmMag™ Quatro Endo-free Plasmid Purification Mini Kit (coming soon)

Protein Purification Reagents

Category	Magnetic Beads
Protein A Beads	Protein A MagBeads
	AmMag™ Protein A Magnetic Beads
	AmMag™ Quatro Elite Protein A Magnetic Beads
Protein G Beads	AmMag™ Quatro Elite Protein A Magnetic Beads, 2G
	Protein G MagBeads
Protein A/G Beads	Protein G MagBeads MX
	Protein A/G MagBeads
Nickel Beads	Protein A/G Magbeads MX
	Ni-charged MagBeads
GST Beads	AmMag™ Ni Magnetic beads
	Glutathione MagBeads



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