

Plasmid Purification Products



Patented PhoenIX™ Technology

PhoenIX
ION EXCHANGE



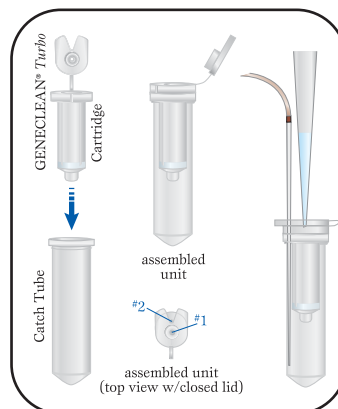
PhoenIX™ plasmid purification systems from Qbiogene rely on ion-exchange chromatography through a unique, patented solid-phase column. Precisely balanced pH values and salt concentrations permit optimal purification of highly clean plasmid DNA from the unique ion-exchange resin. Unlike resins found in other ion-exchange kits, PhoenIX™ columns are distinct: First, the smaller pore size of the resin particles increases the surface area available for binding. Second, the spacer molecule linking the positively charged amino group to the resin particles is longer than in other resins, allowing a better degree of separation between different biomolecules during the binding and washing process. Midiprep and Maxiprep kits are driven by gravity flow, and vacuum drives lysate clearing and purification steps in the Gigaprep kit.

Superior large-scale purification with PhoenIX™ Ion Exchange Kits

Easy RapidPURE™ minipreps based on proven GENECLEAN® Turbo Technology

RapidPURE™ Minipreps with Turbo Technology

The RapidPURE™ Plasmid Mini Kit contains patented BIO 101® Systems Turbo Filters with unique, time-saving advantages. The patented GENECLEAN® purification matrix is embedded in a Turbo Filter housed within a Turbo Cartridge (see figure). With the tube remaining in the microfuge, wash and elution solutions can be added through opening # 1, and flow-through can be aspirated through opening # 2. Twelve Turbo Cartridges can be conveniently processed via either a microcentrifuge or vacuum in under 15 minutes. For higher throughput, Turbo filters are also available in a 96-well format in the RapidPURE™ Plasmid Mini 96 Kit.



Increase throughput with 96-well formats

Save money with economical Express™ kits

Silica-Based Spin and Slurry Kits

For years, researchers have relied on the patented GENECLEAN® GLASSMILK® to easily purify DNA from gels and solutions. The RPM® and Yeast RPM® Kits allow flexible batch-style binding of cleared lysate to silica slurry. Subsequent steps are carried out through a convenient Spin Filter. Miniprep Express™ Matrix is the most economical choice; patented binding matrix is provided in a bulk format for use with your own alkaline lysis solutions.

Amplify yield with BIO 101® Systems growth media

Plasmid Purification Products

PhoenIX™ Midiprep Kit

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Catalog # 2075-200

The PhoenIX™ Midiprep Kit offers purification of ≤ 100 μg plasmid DNA from *E. coli* cultures of 25 ml. Yields significantly greater than 100 μg are routinely seen with high copy plasmids, and the purity of all plasmid DNA allows transfection, automated fluorescent sequencing, and enzymatic reactions. Plasmid DNA is ready to use in under 2 hours, and the kit can be used for constructs up to 150 kb. A disposable column rack is included to allow easy support of the PhoenIX™ columns during gravity flow binding, wash and elution.

PhoenIX™ Maxiprep Kit

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Catalog # 2075-300

The PhoenIX™ Maxiprep Kit offers purification of ≤ 500 μg plasmid DNA from *E. coli* cultures of 100 ml. Yields significantly greater than 500 μg are routinely seen with high copy plasmids, and the purity of all plasmid DNA allows transfection, automated fluorescent sequencing, and enzymatic reactions. Plasmid DNA is ready to use in under 2 hours, and the kit can be used for constructs up to 150 kb. A disposable column rack is included to allow easy support of the PhoenIX™ columns during gravity flow binding, wash and elution.

PhoenIX™ Gigaprep Kit

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Catalog # 2075-400

The PhoenIX™ Gigaprep Kit offers purification of ≤ 10 mg plasmid DNA from *E. coli* cultures of 2.5 L. Plasmid DNA is immediately ready for downstream applications such as transfection, automated fluorescent sequencing, and enzymatic reactions. Driven by vacuum, bacterial lysates are cleared via a filtration cartridge and DNA is purified through the patented PhoenIX™ ion exchange resin. Constructs up to 150 kb can be prepared with the PhoenIX™ Gigaprep Kit.

| Scale | Kit Name | Quantity | St C |
|-------|--------------------------------|--------------------------|---------|
| Mini | RapidPURE™ Plasmid Mini Kit | ≤ 20 μg | 1 |
| Mini | RapidPURE™ Plasmid Mini 96 Kit | ≤ 25 μg | 1 |
| Mini | RPM® Kit | ≤ 20 μg | 1 |
| Mini | 96-Well Prep Express | ≤ 25 μg | 1 |
| Mini | MiniPrep Express™ Matrix | 1-5 μg | |
| Midi | PhoenIX™ Midiprep Kit | 45-100 μg | 2 |
| Maxi | PhoenIX™ Maxiprep Kit | ≤ 500 μg | 1 |
| Giga | PhoenIX™ Gigaprep Kit | ≤ 10 mg | 2 |

Miniprep Express™ Kits

Catalog # 2000-200, 2002-200

Miniprep Express™ Matrix (#2000-200) is the easiest, most cost-effective way to purify miniprep quantities of ultrapurified plasmid DNA. This patented GENE CLEAN® matrix is provided with the recipes necessary for either alkaline lysis or boiling miniprep procedures. One bottle allows for the rapid purification and screening of 1,250 samples for less than 12¢ per prep! For high-throughput minipreps at an economical price, the 96well Prep Express Kit (#2002-200) includes GENE CLEAN®-embedded filters in a 96-well plate format. The plates can be processed using either a spin or vacuum method for less than 60¢ per prep!



Plasmid Purification Products

| Starting Culture | DNA Binding | Method |
|------------------|---|-------------------|
| 1-2 ml | GENECLEAN®-embedded membrane in Turbo Cartridge | Spin or vacuum |
| 1-2 ml | GENECLEAN®-embedded membrane in 96-well plate | Spin or vacuum |
| 1-2 ml | GENECLEAN® slurry plus spin filter | Spin |
| 1-2 ml | GENECLEAN®-embedded membrane in 96-well plate | Spin or vacuum |
| 1 ml | GENECLEAN® slurry | Decant with pipet |
| 1-25 ml | Anion Exchange Column | Gravity Flow |
| 1-100 ml | Anion Exchange Column | Gravity Flow |
| 1-0.5-5 L | Anion Exchange Column | Vacuum |

RapidPURE™ Plasmid Mini Kit

Catalog # 2066-200, 400, 600

More convenient than a silica slurry or spin filter format, the RapidPURE™ Plasmid Mini Kit uses GENECLEAN®-embedded filters in unique Turbo Cartridges for maximum efficiency and convenience. Process 12 samples in only 15 minutes using either a spin or vacuum method. Efficiently recover excellent yields of both high and low copy number plasmids from only 1-2ml of bacterial culture. Plasmid DNA is immediately ready for transfections, sequencing, and amplification. Minipreps have never been easier!

RapidPURE™ Plasmid Mini 96 Kit

Catalog # 2067-200, 400

GENECLEAN®-embedded filters are now available in a 96-well plate! The RapidPURE™ Plasmid Mini 96 Kit is optimized for the purification of high-quality plasmids in a high-throughput format. High or low copy number plasmids can be efficiently recovered from only 1ml of bacterial culture in less than one hour using either a spin or vacuum method. Plasmid DNA is immediately ready for transfections, sequencing, and amplification.

Yeast RPM® Kit

Catalog # 2069-400

The Yeast RPM® Kit allows isolation of plasmid DNA from both yeast and bacterial cells. A GLASSMILK® purification process in conjunction with SPIN modules increases yield and allows optimal DNA quality. The isolated DNA can be used for screening and bacterial transformations. The Yeast RPM® Kit can also be used to isolate plasmid DNA from bacterial cells. The dual nature of this kit makes it the perfect choice for screening of two-hybrid transformants.

RPM® Kit

Catalog # 2070-200, 400, 500, 600

Purify up to 20 µg of high and low copy number plasmids easily and economically with the RPM® Kit. Simply bind DNA from a cleared bacterial lysate to the patented GENECLEAN® matrix, wash through a spin filter, and elute high-quality plasmid DNA. Plasmid DNA is immediately ready for transfections, sequencing, and amplification.

The most convenient form of bacterial media is available only from Qbiogene! Eliminate mess and hazardous dust: No need to weigh, simply add capsules to water and autoclave! Economical bulk powder, pouches, liquids and plates are also available.

Contact us for details!

Plasmid Purification Products



| Scale/Description | Cat # | Product Name | Size |
|--|----------|--------------------------------|--------------------|
| Miniprep | 2066-200 | RapidPURE™ Plasmid Mini Kit | 60 preps |
| | 2066-400 | RapidPURE™ Plasmid Mini Kit | 120 preps |
| | 2066-600 | RapidPURE™ Plasmid Mini Kit | 300 preps |
| | 2067-200 | RapidPURE™ Plasmid Mini 96 Kit | 96 preps |
| | 2067-400 | RapidPURE™ Plasmid Mini 96 Kit | 2 x 96 preps |
| | 2070-200 | RPM® Kit | 60 preps |
| | 2070-400 | RPM® Kit | 120 preps |
| | 2070-500 | RPM® Kit | 300 preps |
| | 2070-600 | RPM® Kit | 600 preps |
| | 2069-400 | Yeast RPM® Kit | 100 preps |
| | 2000-200 | MiniPrep Express™ Matrix | 1,250 preps |
| | 2002-200 | 96well Prep Express | 4 x 96 preps |
| Midiprep | 2075-200 | PhoenIX™ Midiprep Kit | 25 preps |
| Maxiprep | 2075-300 | PhoenIX™ Maxiprep Kit | 25 preps |
| Gigaprep | 2075-400 | PhoenIX™ Gigaprep Kit | 5 preps |
| Related Growth Media* | | | |
| Exceptional plasmid yield | 3000-112 | CIRCLEGROW® (Powder) | 227 g (0.5 lb) |
| | 3000-165 | CIRCLEGROW® (Pack) | 10 x 0.5 L Pouches |
| | 3000-121 | CIRCLEGROW® (Capsules) | 250 Caps |
| | 3000-104 | CIRCLEGROW® (Sterile Solution) | 500 ml |
| Non-shaking or 96-well cultures | 3101-112 | GS96 Media (Powder) | 227 g (0.5 lb) |
| | 3101-065 | GS96 Media (Pack) | 10 x 0.5 L Pouches |
| | 3101-014 | GS96 Media (Sterile Solution) | 250 ml |
| Standard <i>E.coli</i> growth media | 3002-012 | LB-Medium (Powder) | 227 g (0.5 lb) |
| | 3002-065 | LB-Medium (Pack) | 10 x 0.5 L Pouches |
| | 3002-011 | LB-Medium (Capsules) | 227 g (0.5 lb) |
| | 3002-014 | LB-Medium (Sterile Solution) | 500 ml |

*Hundreds of sizes and formulations of bacterial and yeast growth media are available. Please see our website, catalog, or inquire for details!

LIT1007 : BPLAS4-4B01

NORTH AMERICA

Phone : 1-800-424-6101 or (760) 929-1700
E-mail : order@qbiogene.com

FRANCE

Phone : 03 88 67 54 25
E-mail : frorders@qbiogene.com

UK

Phone : 0800 328 8401
E-mail : ukorders@qbiogene.com

GERMANY

Phone : 0800 409 0580
E-mail : bestellungen@qbiogene.com

www.qbiogene.com

