

# G-25 Gel Filtration Desalting Column

*For research use only*

## Catalogue Numbers

CG025  
CG003

## Quantity

50 rxns  
2 rxns

**Geneaid**



CERTIFICATE NO. QAIC/TW/50077  
**ISO 9001:2008 QMS**

## Introduction

G-25 Gel Filtration Desalting Columns are pre-packed with a highly efficient gel filter which simplifies synthesized/end-labeled oligonucleotide purification, desalting, buffer exchange and protein purification. Low molecular weight material is retained in the gel matrix, facilitating the purification of DNA fragments larger than 10 bases in length. Since G-25 Gel Filtration Desalting Columns are designed to purify DNA fragments >10 bases only, they are not recommended for PCR product primer removal.

## Quality Control

The quality of the G-25 Gel Filtration Desalting Column is tested on a lot-to-lot basis according to Geneaid's ISO-certified quality management system.

## Advantages

- Purification in as little as 5 minutes!
- Sample Volume: 20 to 100  $\mu$ l
- Filtrate: >10 bases
- Columns are pre-packed with a highly efficient gel filter
- Storage: 2-8°C for up to 6 months (Do not freeze)

## Applications

Synthesized/end-labeled oligonucleotide purification, Desalting, Buffer exchange and Protein purification

## Additional Requirements

1.5 ml microcentrifuge tube

## IMPORTANT BEFORE USE!

In the event of gel drying/cracking, add 300  $\mu$ l of ddH<sub>2</sub>O to the column prior to use. During shipment, the gel filter in the G-25 Column may be lodged in the cap. This will not affect the quality or the efficiency of the column. If the gel filter is lodged in the cap, spin down the column to dislodge.

## Purification/Removal/Desalting Protocol

### 1. Column Preparation

Place a G-25 Column in a 2 ml Collection Tube. Centrifuge at 1,000 x g for 2 minutes.

### 2. Sample Loading

Transfer the G-25 Column to a 1.5 ml microcentrifuge tube. Carefully load the sample (20-100  $\mu$ l) onto the center of the gel bed surface.

### 3. Purification Recovery

Centrifuge at 1,000 x g for 3 minutes. The purified sample can be recovered at the bottom of the 1.5 ml microcentrifuge tube (approximately the same volume as the loaded sample).

## Buffer Exchange Protocol

### 1. Column Preparation

Place a G-25 Column in a 2 ml Collection Tube. Centrifuge at 1,000 x g for 3 minutes. Discard the flow-through in the 2 ml Collection Tube. Place the G-25 Column back in the 2 ml Collection Tube.

### 2. Buffer Loading

Add 350  $\mu$ l of desired buffer to the G-25 Column. Centrifuge at 1,000 x g for 2 minutes. Discard the 2 ml Collection Tube.

### 3. Sample Loading

Transfer the G-25 Column to a 1.5 ml microcentrifuge tube. Carefully load the sample (20-100  $\mu$ l) onto the center of the gel filter surface.

### 4. Purification Recovery

Centrifuge at 1,000 x g for 3 minutes. The purified sample can be recovered at the bottom of the 1.5 ml microcentrifuge tube (approximately the same volume as the loaded sample).

## Related DNA Purification Products

Plasmid DNA Purification		
Product	Package Size	Catalogue Number
Presto™ Mini Plasmid Kit	100/300 preps	PDH100/300
Presto™ Midi Plasmid Kit	25 preps	PIF025
Presto™ Midi Plasmid Kit (Endotoxin Free)	25 preps	PIFE25
High-Speed Plasmid Mini Kit (10-50 Kb)	100/300 preps	PDL100/300
High-Speed Plasmid Advance Kit (50-100 ml)	25 preps	PA025
Geneaid™ Plasmid Mini Kit	40/100 preps	PAE040/100
Geneaid™ Plasmid Midi Kit	25 preps	PI025
Geneaid™ Plasmid Midi Kit (Endotoxin Free)	25 preps	PIE25
Presto™ Plasmid DNA Concentration Kit	250/500/1000 preps	PC0250/500/1000
Geneaid™ Plasmid Maxi Kit	10/25 preps	PM010/25
Geneaid™ Plasmid Maxi Kit (Endotoxin Free)	10/25 preps	PME10/25
Presto™ 96 Well Plasmid Kit	4/10 x 96 preps	96PDV04/10, 96PDC04/10
Presto™ Plasmid 96 Well Binding Plate	10 plates	96BP01
Presto™ Plasmid 96 Well Filter Plate	10 plates	96FP01
Post Reaction DNA Purification		
Product	Package Size	Catalogue Number
GenepHlow™ Gel Extraction Kit	100/300 preps	DFG100/300
GenepHlow™ PCR Cleanup Kit	100/300 preps	DFC100/300
GenepHlow™ Gel/PCR Kit	100/300 preps	DFH100/300
GenepHlow™ DNA Cleanup Maxi Kit	10/25 preps	DFM010/025
Small DNA Fragments Extraction Kit	100/300 preps	DF101/301
Presto™ Max Gel/PCR Kit (Large DNA Fragments)	100/300 preps	DFL100/300
Presto™ 96 Well PCR Cleanup Kit	4/10 x 96 preps	96DFH04/10
Presto™ 96 Well Gel Extraction Kit	4/10 x 96 preps	96DFG04/10
Presto™ PCR Cleanup Kit 96 Well Binding Plate	10 plates	96DBP01
DNA Pure Kit	100/300 preps	DP100/300
G-25 Gel Filtration Desalting Column	50 rxns	CG025
G-50 Gel Filtration Dye Terminator Removal Column	50 rxns	CG050
96-Well G-50 Gel Filtration Plate	4/10 x 96 rxns	CGP04/10
Gel Extraction Tool	25 pcs	GXT025
Genomic DNA Purification		
Product	Package Size	Catalogue Number
Genomic DNA Mini Kit (Blood/Cultured Cell)	100/300 preps	GB100/300
Genomic DNA Midi Kit (Blood/Cultured Cell)	25 preps	GDI25
Genomic DNA Maxi Kit (Blood/Cultured Cell)	10/25 preps	GDM10/25
Genomic DNA Mini Kit (Tissue)	50/100/300 preps	GT050/100/300
gSYNC™ DNA Extraction Kit	100/300 preps	GS100/300
Genomic DNA Mini Kit (Plant)	100 preps	GP100
Genomic DNA Maxi Kit (Plant)	10/25 preps	GPM10/25
Geneaid™ DNA Isolation Kit (Blood)	100/1,000 rxns	GEB100/01K(+)
Geneaid™ DNA Isolation Kit (Bacteria)	150/1,500 rxns	GEE150/1.5K(+)
Geneaid™ DNA Isolation Kit (Tissue)	150/1,500 rxns	GET150/1.5K(+)
Geneaid™ DNA Isolation Kit (Cultured Cell)	150/1,500 rxns	GEC150/1.5K(+)
GENEzol™ DNA Reagent Plant	100/200 rxns	GR100/200
Presto™ Mini gDNA Yeast Kit	100/300 preps	GBY100/300
Presto™ Mini gDNA Bacteria Kit	100/300 preps	GBB100/101/300/301
Geneius™ Micro DNA Extraction Kit	100/300 preps	GMB100/300
Presto™ Buccal Swab gDNA Extraction Kit	100/300 preps	GSK100/300
Presto™ 96 Well Blood Genomic DNA Extraction Kit	4/10 x 96 preps	96GBP04/10

For additional product information, please visit [www.geneaid.com](http://www.geneaid.com). Thank you!