

# magnetiQ

## PCR Clean-Up

### Introduction

Galenvs magnetiQ PCR Clean-Up is a facile and rapid purification of up to 25 µg of PCR or enzymatic reaction products from 50 bp to 10 kb. The 3-step protocol provides up to 99% recovery of ready-to-use DNA; removing primers, nucleotides, enzymes, salts, and other impurities. The magnetiQ beads system allows for a rapid protocol that can be automated for high-throughput processing.

The extraction protocol consists of four steps with each kit containing (i) lysis, (ii) wash #1 and #2 buffers and (iii) elution buffer. The elution volume is 20 - 50 µL

### Performance

#### Recovery Rates

Recovery yield of Galenvs when compared to widely used Industry-leading kits:

- ProNex® Size-Selective Purification System by Promega (Promega)
- KAPA Pure Beads by Roche (Roche)

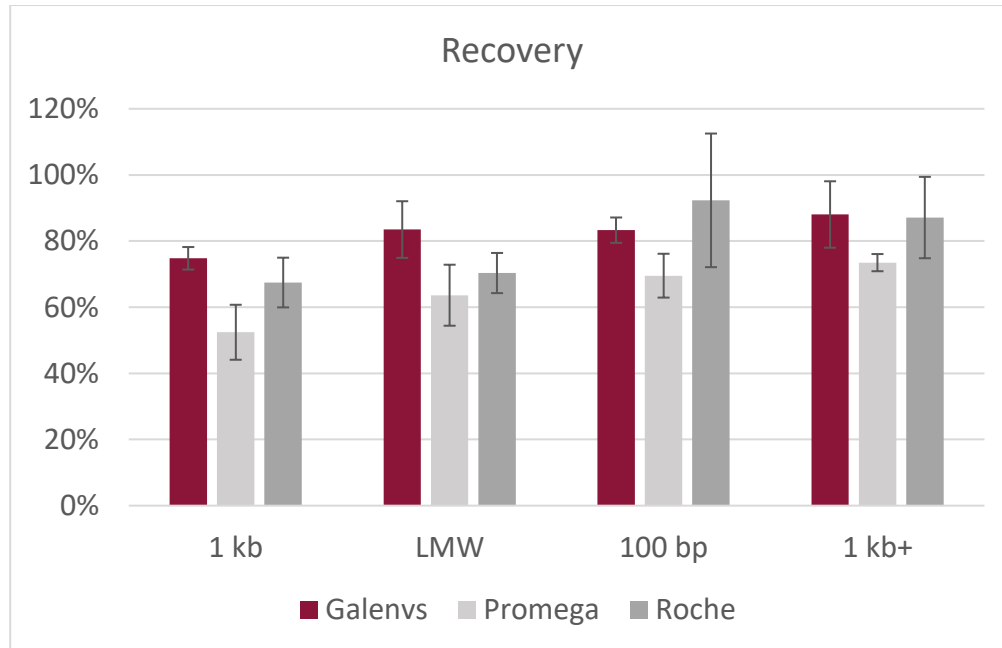


Figure 1: Recovery comparison at different molecular weights for Galenvs, Promega, and Roche

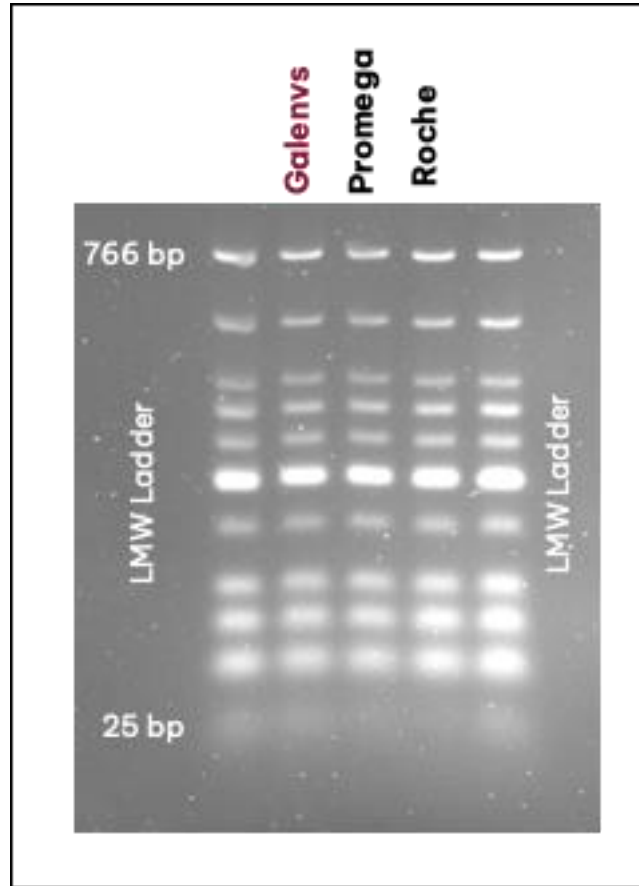
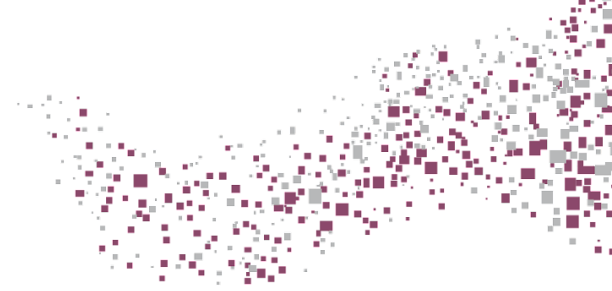


Figure 2: Gel Electrophoresis

**Purity of DNA**

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Table 1: A260/A280 and A260/A230

	<b>1 kb</b>		<b>100 bp</b>	
	<b>A260/A280</b>	<b>A260/A230</b>	<b>A260/A280</b>	<b>A260/A230</b>
<b>Galenvs</b>	1.90 ± 0.01	2.07 ± 0.16	1.87 ± 0.05	2.09 ± 0.02
Promega	1.85 ± 0.02	1.49 ± 0.08	1.88 ± 0.04	1.59 ± 0.02
Roche	1.97 ± 0.03	1.92 ± 0.18	1.93 ± 0.05	1.99 ± 0.11

**PCR Product Quantity**

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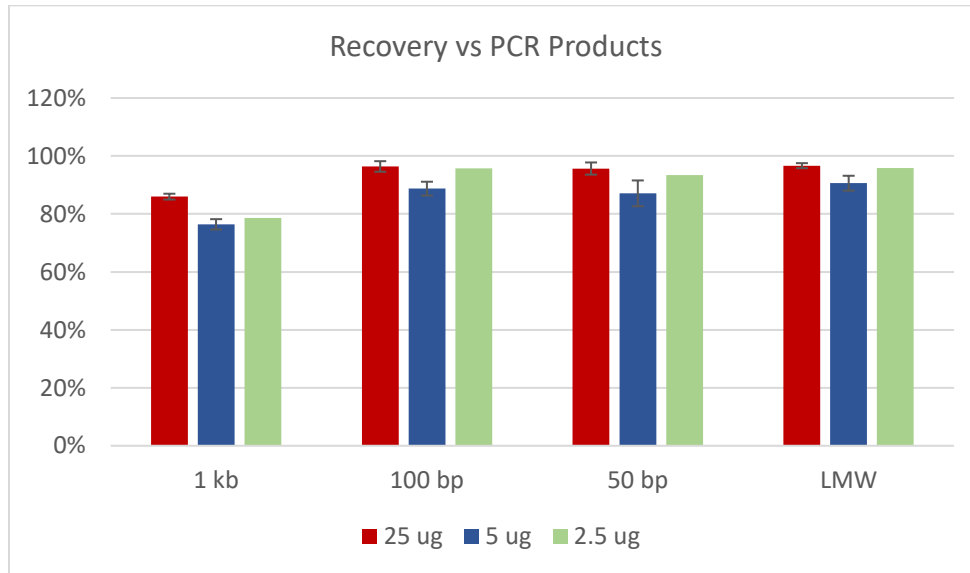
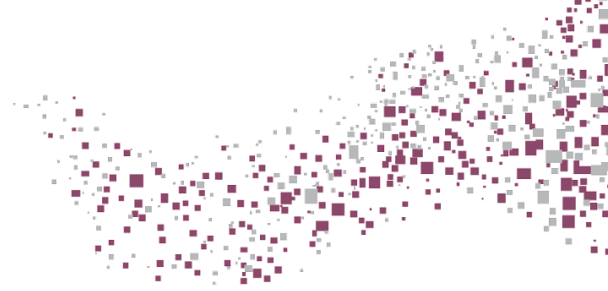
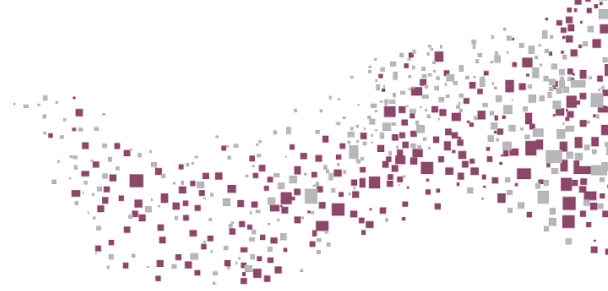


Figure 3

### Specifications

Sample Type	PCR and Enzymatic Reaction Product
Quantity	100 or 250 assays / Ready-to-use Prefilled plates 16 preps
Elution Volume	50µl Manual
Processing mode	Automated – Manual
Throughput	100-250 samples per run
Binding Technology	Magnetic beads
Binding Capacity	25 ug
Components	(i) Binding Buffer (ii) Wash Buffer 1 (iii) Wash Buffer 2 (iv) Elution Buffer
Storage	Room Temperature



### Product Codes

100 preps	PC0100
250 Preps	PC0250
Prefilled plates 16-well	PC0016



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