

Transform your DNA purification experience

30%
OFF

Monarch[®] DNA Cleanup Kits



Monarch DNA Cleanup Kits, available for both **gel extraction** and **reaction cleanup**, are optimized for maximum performance and minimal environmental impact. These kits rapidly and reliably purify up to 5 µg of concentrated, high-quality DNA and utilize a bind/wash/elute workflow with minimal incubation and spin times. The columns provided with each kit are specifically designed to eliminate buffer retention and the risk of carryover of contaminants, enabling elution of sample in volumes as low as 6 µl. Optimized buffer systems eliminate the need for monitoring and adjusting pH.

The **Monarch[®] DNA Gel Extraction Kit** can be used to quickly purify DNA from agarose gels. Unlike other kits, there is no need to add isopropanol to the melted agarose prior to loading on the column, saving you a step.

The **Monarch[®] PCR & DNA Cleanup Kit (5 µg)** can be used to purify DNA from a variety of enzymatic reactions. The DNA Wash Buffer provided ensures enzymes, short primers (≤ 25 nt), detergents and other low-molecular weight reaction components are removed.

**NOW AVAILABLE
AT MEDSTORE**

Benefits

- Elute in as little as 6 µl
- Eliminate buffer retention and salt carryover with optimized column design
- Columns and buffers available separately
- Reduce processing time with faster protocols
- Reduce your impact on the environment – Monarch kits use less plastic and responsibly sourced, recyclable packaging

Ordering Information

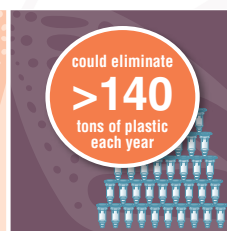
PRODUCT	NEB #	LIST PRICE	PROMOTIONAL PRICE*
Monarch DNA Gel Extraction Kit	T1020S - 50 preps	\$121	\$84.69
	T1020L - 250 preps	\$560	\$392.00
Monarch PCR & DNA Cleanup Kit (5 µg)	T1030S - 50 preps	\$121	\$84.69
	T1030L - 250 preps	\$560	\$392.00

Designed for performance



\$ Savings Tip

For customers using the PCR & DNA Cleanup Kit and who need to perform a few gel extractions, simply adding Monarch Gel Dissolving Buffer (#T1021) will turn your Monarch PCR & DNA Cleanup Kit into a DNA Gel Extraction kit as well.



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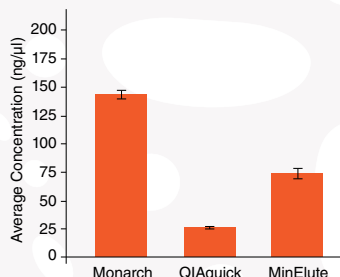


be INSPIRED
drive DISCOVERY
stay GENUINE

Monarch[®] DNA Cleanup Kits



DNA purified using the Monarch DNA Gel Extraction Kit is recovered with similar efficiency and purity as the leading supplier, but is more highly concentrated, facilitating its use in downstream applications



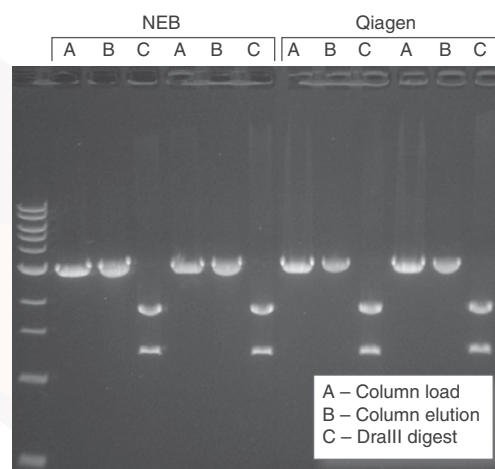
	Monarch	QIAquick [®]	MinElute [®]
$A_{260/280}$	1.9+/-0.08	1.9+/-0.08	1.9+/-0.04
Yield (μg)	0.80+/-0.05	0.72+/-0.09	0.66+/-0.13
Conc. (ng/μl)	144.9+/-9.6	25.7+/-3.1	73.8+/-14.2

One microgram aliquots of a 3 kb fragment were resolved on a 1% w/v agarose gel, excised, and processed with different kits using manufacturer-specified minimum elution volumes. Values reported are the concentration and purity data determined by Nanodrop[™] readings, as well as recovery calculations based on the eluted DNA concentration and recovered volume.

Specifications

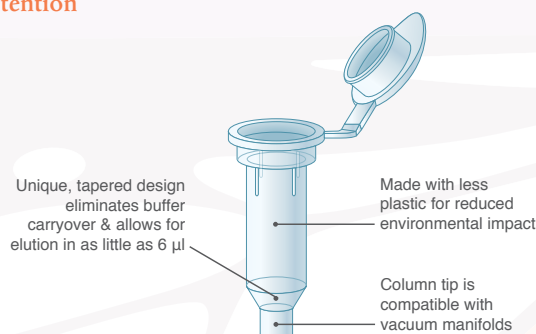
- **Binding Capacity:** up to 5 μg
- **DNA Size Range:** ~50 bp to 25 kb
- **Typical Recovery:** DNA (50 bp to 10 kb): 70–90%
DNA (11–25 kb): 50–70%
- **Elution Volume:** ≥ 6 μl
- **Purity:** $A_{260}/A_{280} \geq 1.8$
- **Protocol Time:**
Gel Extraction: 10 min of spin and incubation time
PCR & DNA Cleanup: 5 min of spin and incubation time
- **Compatible Downstream Applications:** ligation, restriction digestion, labeling and other enzymatic manipulations, library construction and DNA sequencing

Monarch PCR & DNA Cleanup Kit (5 μg) performs equivalently to the leading supplier



Preps were performed according to recommended protocols. 1 μg of a 3 kb DNA fragment was incubated with 1 μM primers and OneTaq[®] Quick-Load[®] 2X Master Mix (NEB #M0486). DNA was eluted in 20 μl (NEB) and 40 μl (Qiagen) Elution Buffer. Half of the total elution volume was digested with 5 units of DraIII-HF[®] (NEB #R3510). The digest and the unused portion of the elution were resolved on a 1% w/v agarose gel along with a representative sample of the starting material.

The improved design of the columns supplied with the Monarch DNA Gel Extraction and PCR & DNA Cleanup Kits enables elution in as little as 6 μl, and eliminates buffer retention



Request a free sample from your Territory Manager

***TERMS & CONDITIONS:** Offer valid in Canada only. Expires March 31st, 2018. Discount is eligible for products listed on this flyer. Promotion not valid for cash or cash equivalent towards purchase(s). No substitutions. Offer may not be applied to existing, pending or prior orders. Cannot be combined with any other promotion or discount.

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