

DNA Extraction from Agarose Gels



The Montage DNA Gel Extraction Kit is a fast, effective solution for fully functional DNA recovery from agarose gel slices. In one 10-minute spin, the agarose gel containing the DNA of interest is fragmented and compressed to extrude the DNA ready for sequencing or cloning.

The kit includes Ultrafree-DA centrifugal units with optimized TAE buffer solution (concentrate) for gel casting and running. Ultrafree-DA centrifugal units are also available separately.

- Maximizes DNA recovery from agarose gel slices
- One 10-minute spin recovers fully functional DNA
- Purified DNA is ready for cloning or sequencing

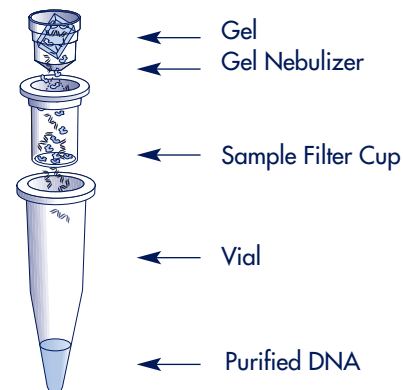
Ordering Information

Description	Qty/Pk	Catalogue No.
Montage DNA Gel Extraction Kit (Includes 50 Ultrafree-DA devices and 500 mL of 50x stock modified TAE buffer)	50 devices/pk	LSKG ELO 50
Ultrafree-DA Centrifugal Filters	50	42600
Optional Accessories		
50 x Modified TAE buffer	1 x 500 mL bottle	LSKM TAE 50

- ▶ Montage DNA Gel Extraction Kit
- ▶ Ultrafree®-DA Centrifugal Unit

Single-spin Operation

Centrifugal force drives the agarose slice through a small orifice in the Gel Nebulizer. The resultant gel slurry is sprayed into the sample filter cup. As the spin compresses the agarose, DNA is extruded from the gel pores. The gel matrix is retained by the membrane, while purified DNA passes through into the collection vial.



Exploded view of Ultrafree-DA centrifugal unit.

Enzyme Removal and DNA desalting/concentration

Micropure-EZ provides an easy, rapid means of removing restriction endonucleases and other enzymes from double-stranded (ds) DNA. The membrane in the device has a high affinity for protein but dsDNA remains in solution. In a single 30-second spin, enzymes from the reaction mix are selectively adsorbed and DNA is recovered in a vial – undiluted and enzyme-free. If concentration or desalting of the sample is required, Microcon® centrifugal filter devices may be substituted for the filtrate vial, to enable DNA purification, concentration and desalting in a single unit.

- Fast protocol
- >85% recovery of dsDNA
- One step-step DNA purification

Ordering Information

Membrane Description	Qty/Pk	Catalogue No.
Micropure-EZ Enzyme Removers	8	42528
	24	42529
	100	42530
Micropure-EZ Enzyme Removers Filter units only (for use with Microcon)	8	42531
	24	42532
	100	42533

Membrane Description	MW Cut-Off	Nucleotide Cut-off Double-stranded	Qty/Pk*	Catalogue No.
Microcon Centrifugal UF Filter Devices (includes 2 vials with each device)				
Microcon YM-3	3,000	10	24	42403
Microcon YM-10	10,000	20	24	42406
Microcon YM-30	30,000	50	24	42409
Microcon YM-50	50,000	100	24	42415
Microcon YM-100	100,000	125	24	42412

*8 and 100 packs also available.

▶ Micropure-EZ Centrifugal Filter

Selection Guideline

Intended Use	Recommended Device
Enzyme removal only	Micropure-EZ
Enzyme removal and DNA concentration/desalting	Micropure-EZ filter unit only and Microcon -30 and -50

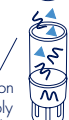


Simultaneous enzyme removal and concentration, buffer exchange or desalting, with Micropure-EZ and Microcon

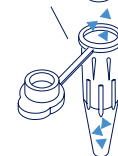
Enzyme removal with Micropure-EZ



Remove Enzyme
Restriction endonucleases and other enzymes are adsorbed by Micropure-EZ. dsDNA passes freely.



Concentration DNA
DNA is retained by ultrafilter in Microcon. Salts pass freely.



Recover
≥ 85% DNA