

# Do you do nucleic acid extraction and/or purification? Upgrade your kit to save on time and money!

**AXYGEN**

A Corning Brand



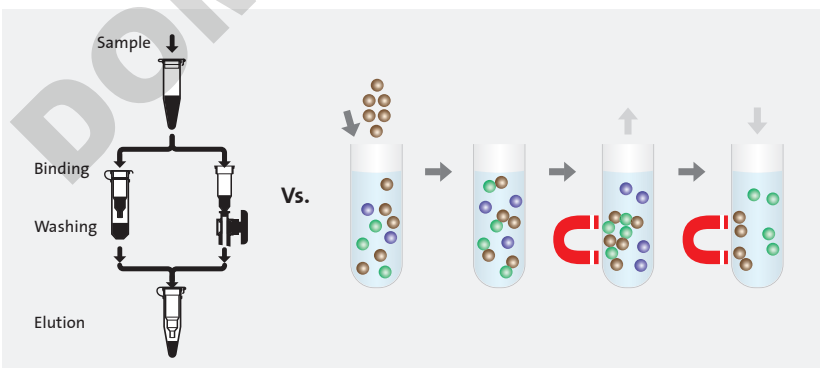
## Compared against spin-column and reagent-based methods:

- ▶ Easy, simplified protocols
  - ≤60 minutes for 96 preps
  - Reduced processing time by 50% (Figure 1)
- ▶ Scalable: one product fits multiple volume needs (ratio-based) rather than requiring separate kits (mini, midi, maxi, or mega)
- ▶ High yield and high purity (Figures 2 and 3)
- ▶ Free of major hazardous chemicals
- ▶ Automation friendly

## Compare with other magnetic bead brands:

- ▶ Cleaner primer dimer removal (Figure 4)
- ▶ Comprehensive product offering for:
  - Sample types include PCR amplicon, bacteria, blood and mammalian tissue, plant, and more.
  - Number of preps: 10 preps to 35,000 preps
  - Ideal for DNA sequencing, PCR clean-up, library screening, and other downstream applications.
- ▶ Axygen AxyPrep IMAG MSDs utilizes strong magnets for faster separation, in less than 30 seconds (Figure 5)

## Performance Specifications

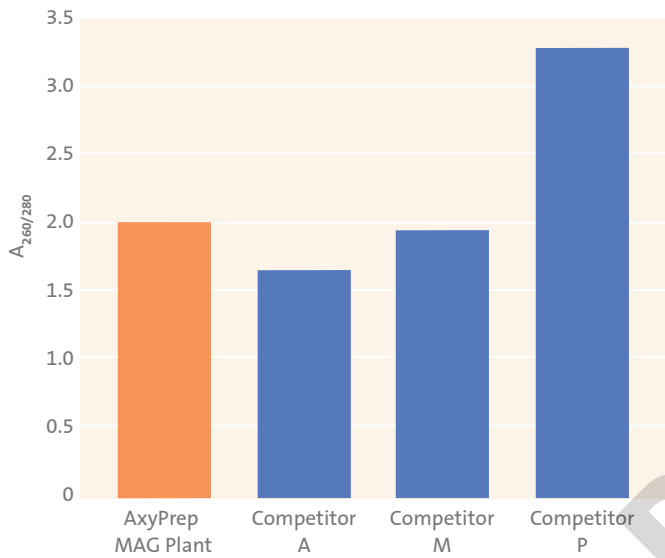


**Figure 1.** Typical column-based filtration kits and AxyGen® AxyPrep MAG kits follow three standard steps: binding, washing, and elution. AxyGen AxyPrep MAG kits utilize the AxyPrep IMAG handheld device for fast separation in less than 30 seconds.

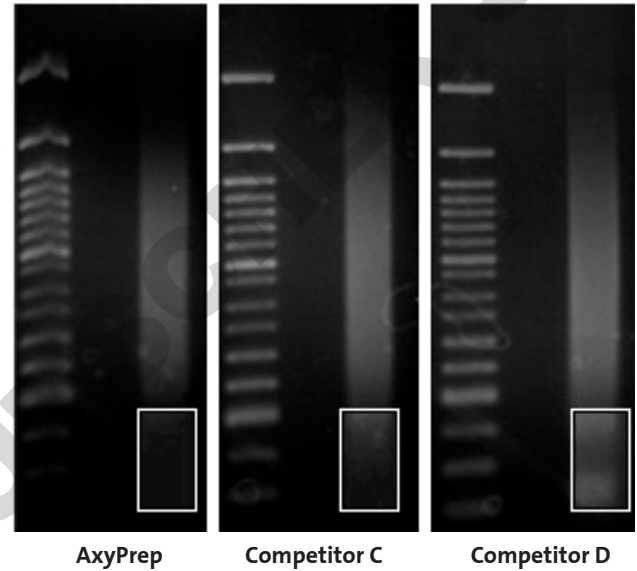
**Figure 2.** Axygen® AxyPrep MAG Plasmid kit provides a 25% increase in yield and optimized ratio  $A_{260/280}$  compared to competitor column-based filtration kits. Average of 3 data points.

	High Copy Bacteria								
	AxyPrep			Competitor A			Competitor B		
Ratio ( $OD_{260/280}$ )	1.94	1.93	1.93	1.79	1.64	1.80	1.97	1.97	2.00
Yield ( $\mu\text{g}$ )	11.93	10.81	11.14	8.03	7.32	8.37	8.13	8.27	9.18
Average Yield ( $\mu\text{g}$ )	11.29			7.91			8.53		

**Figure 3.** The  $A_{260/280}$  ratio for Axygen AxyPrep Plant gDNA extraction kits are within the range of 1.80 to 2.0, which are comparable or better when compared against competitors A, M, and P.



**Figure 4.** Axygen AxyPrep MAG PCR Clean-up kit provides cleaner primer dimer removal compared to other brands, with no DNA carry over.



**Figure 5.** Separation of Magnetic Beads in Microplate and Tube Format

IMAG-96P: microplate format



10 seconds after the separation process



20 seconds after the separation process



30 seconds after the separation process

IMAG-12T: tube format



10 seconds after the separation process



20 seconds after the separation process



30 seconds after the separation process

## Ordering Information

### Axygen® AxyPrep MAG Kits

Cat. No.	Description	Suggested Number of Preps	Uses	Applications
MAG-PCR-CL-1	AxyPrep MAG PCR Clean-up - 1 mL	28 to 56	Clean-up PCR amplicons	Sanger and Next Gen Sequencing (NGS), genotyping, SNP, cloning
MAG-PCR-CL-5	AxyPrep MAG PCR Clean-up - 5 mL	139 to 278		
MAG-PCR-CL-50	AxyPrep MAG PCR Clean-up - 50 mL	1,389 to 2,778		
MAG-PCR-CL-250	AxyPrep MAG PCR Clean-up - 250 mL	6,944 to 13,889		
MAG-CONDNA-10	AxyPrep MAG DNA Concentrate	10	Concentrate purified DNA from diluted eluate	Sanger and NGS
MAG-CONDNA-5	AxyPrep MAG DNA Concentrate	96		
MAG-CONDNA-M	AxyPrep MAG DNA Concentrate	384		
MAG-PLANT-GDNA-10	AxyPrep MAG Plant gDNA	10	Extract gDNA from plant tissues	Sanger and NGS, genotyping, SNP, qPCR
MAG-PLANT-GDNA-5	AxyPrep MAG Plant gDNA	96		
MAG-PLANT-GDNA-M	AxyPrep MAG Plant gDNA	384		
MAG-STL-5	AxyPrep MAG Soil, Stool, and Water DNA	96	Extract DNA from soil, stool, and water samples	Sanger and NGS, genotyping, SNP, qPCR
MAG-STL-M	AxyPrep MAG Soil, Stool, and Water DNA	384		
MAG-VNA-5	AxyPrep MAG Viral Nucleic Acid	96	Extract nucleic acid from RNA/DNA samples	Sanger and NGS, genotyping, SNP, qPCR
MAG-VNA-M	AxyPrep MAG Viral Nucleic Acid	384		
MAG-DYECL-1	AxyPrep MAG DyeClean - 1 mL	140 to 200	Efficiently remove primer-dimers from PCR amplicons	Sanger and NGS, post PCR clean-up
MAG-DYECL-5	AxyPrep MAG DyeClean - 5 mL	500 to 700		
MAG-DYECL-50	AxyPrep MAG DyeClean - 50 mL	5,000 to 7,000		
MAG-DYECL-250	AxyPrep MAG DyeClean - 250 mL	25,000 to 35,000		
MAG-FFPE-10	AxyPrep MAG FFPE (DNA-RNA- miRNA)	10	Extract nucleic acids from low amounts of sample	Diagnostics development, sequencing, qPCR
MAG-FFPE-M	AxyPrep MAG FFPE (DNA-RNA- miRNA) - Medium	96		
MAG-FFPE-L	AxyPrep MAG FFPE (DNA-RNA- miRNA) - Large	384		
MAG-FRAG-I-1	AxyPrep FragmentSelect-I - 1 mL	15 to 30	Clean and select desired DNA fragments from 150 bp to 1 kb	NGS on Illumina® and Ion Torrent®, library construction
MAG-FRAG-I-5	AxyPrep FragmentSelect-I - 5 mL	75 to 140		
MAG-FRAG-I-250	AxyPrep FragmentSelect-I - 250 mL	3800 to 7000		
MAG-FRAG-I-50	AxyPrep FragmentSelect-I - 50 mL	770 to 1400		
MAG-PCR-NM-1	AxyPrep MAG PCR Normalizer - 1 mL	20	Avoid quantification by normalization	NGS
MAG-PCR-NM-5	AxyPrep MAG PCR Normalizer - 5 mL	96		
MAG-PCR-NM-50	AxyPrep MAG PCR Normalizer - 50 mL	384		
MAG-PCR-NM-250	AxyPrep MAG PCR Normalizer - 250 mL	1920		
MAG-P-10	AxyPrep MAG Plasmid	10	Extract plasmid DNA from bacteria	Sanger and NGS, PCR amplification, restriction enzyme digestion
MAG-P-S	AxyPrep MAG Plasmid - Small	96		
MAG-P-M	AxyPrep MAG Plasmid - Medium	384		
MAG-T-10	AxyPrep MAG Tissue-Blood gDNA	10	Extract gDNA from blood and mammalian tissues	Sanger and NGS, genotyping, SNP, qPCR
MAG-T-GDNA-S	AxyPrep MAG Tissue-Blood gDNA - Small	96		
MAG-T-GDNA-M	AxyPrep MAG Tissue-Blood gDNA - Medium	384		

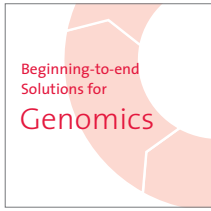
To try a free sample, contact your local Corning Account Manager.

### Axygen AxyPrep IMAG Magnetic Beads Separation Devices

Cat. No.	Description	Qty/Cs	Use	Applications
IMAG-12T	IMAG magnetic handheld device for Axygen 1.5 and 2.0 mL screw cap tubes	1	Fast separation of gDNA	Nucleic acid, antibody and protein purification, cell based assays
IMAG-96P	IMAG universal magnetic handheld device for PCR and 96-well microplates	1		

### Accessories for Axygen AxyPrep IMAG Magnetic Beads Separation Devices

Cat. No.	Description	Qty/Pk	Qty/Cs
SCT-050-SS-C	0.5 mL self standing screw cap tube with cap	500	4,000
SCT-200-SS-C	2.0 mL self standing screw cap tube with cap	500	4,000
PCR-96-FS-C	96-well PCR full skirt microplate with single notch	10	50



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