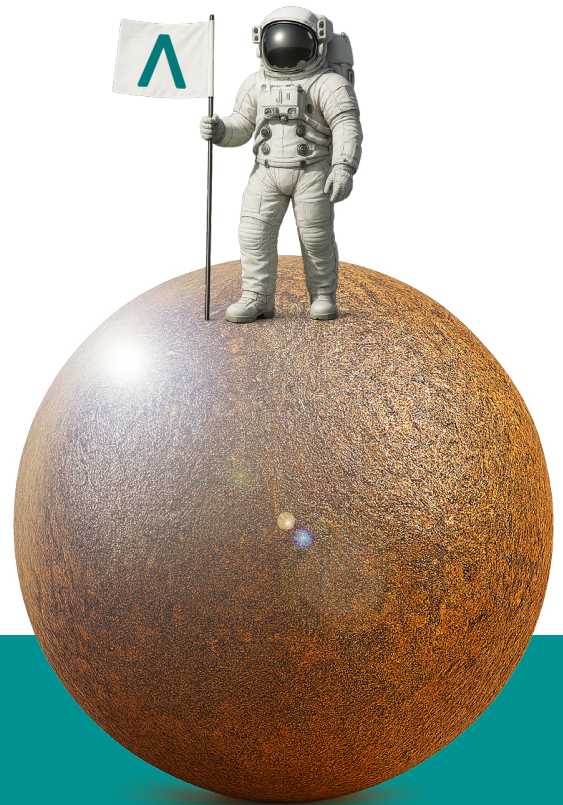


# INTEGRA

## “The Bead has landed”



### MAGFLO™ NGS

Magnetic beads for NGS size selection  
and PCR purification

One small step for beads.  
One giant leap for NGS library prep.



**Room temperature stable**  
for 18 months – no warm up, no  
waiting, ready when you are

**RNase free**  
for use in sensitive RNA  
workflows

**QC verified**  
for precise, reproducible size  
selection, batch after batch

# MAGFLO NGS – precision size selection for reliable NGS libraries

NGS library preparation requires precise fragment size selection for high quality sequencing results. MAGFLO NGS magnetic beads are designed for exactly that, offering reliable single- and double-sided size selection across DNA and RNA workflows, plus efficient PCR clean-up. They deliver the performance you expect, with practical advantages that simplify your workflow.

## MAGFLO NGS - key features:



### Room temperature stable

for 18 months – no warm up,  
no waiting, ready when you are



### RNase free

for use in sensitive RNA workflows



### QC verified

for precise, reproducible size selection,  
batch after batch

## Additional features:



### Reliable yields

and reproducible fragment profiles –  
for both DNA and RNA workflows



### Automation ready

allowing plug-and-play with INTEGRA's  
modular liquid handling systems



### Protocol compatible

using the same ratios as gold standard  
beads with equal performance



### Cost efficient

without compromising performance



### PCR purification

for efficient removal of unincorporated  
dNTPs, primers, salts and enzymes

These features are best assessed in practice, which is why MAGFLO NGS beads are available as a free sample for use in your own NGS workflow.

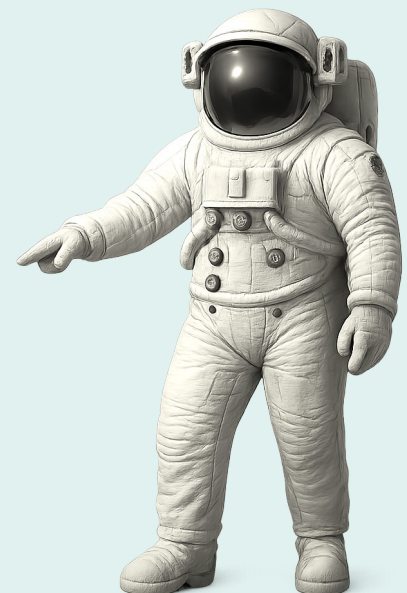


## Test before you invest!

Request a free 1 ml sample for your lab today.

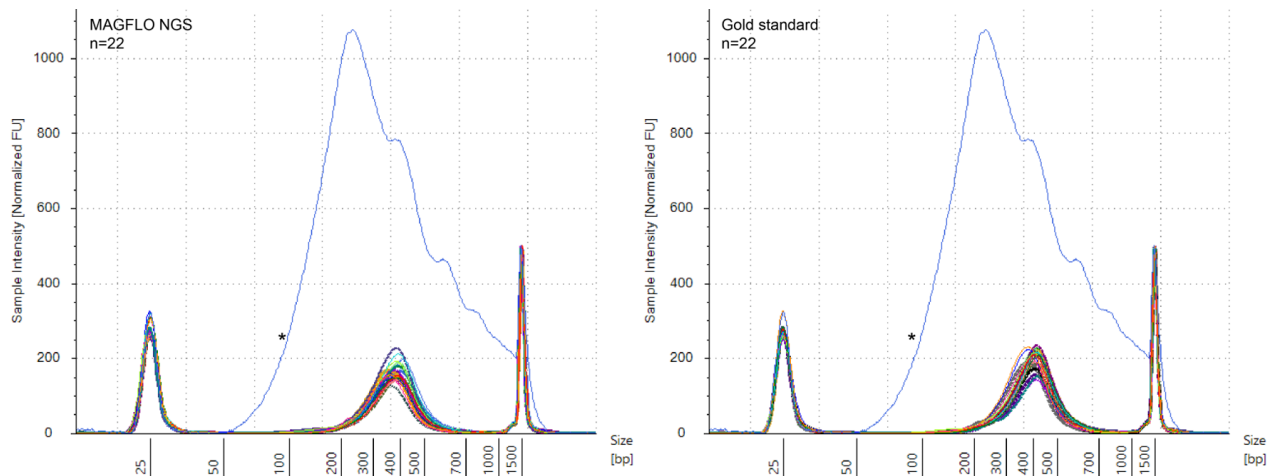


[bit.ly/ngs-sample](https://bit.ly/ngs-sample)



# MAGFLO NGS beads set the new gold standard

MAGFLO NGS magnetic beads are equivalent to gold standard beads, delivering comparable results for DNA size selection (Compare left and right graphs below.)



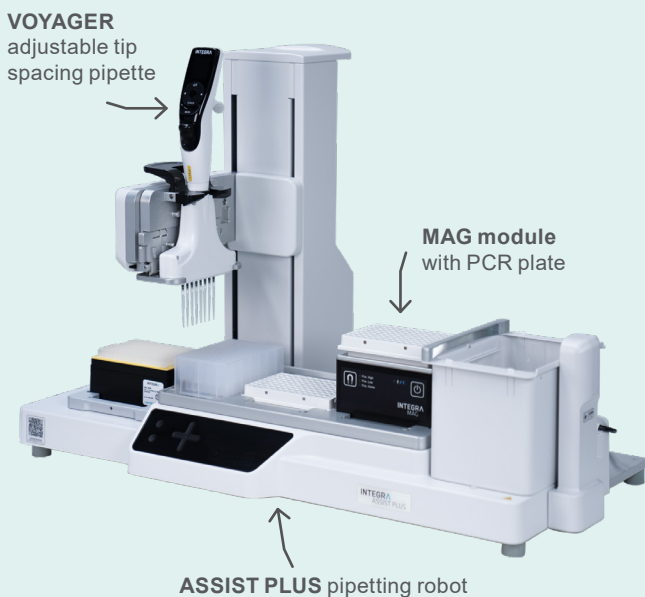
Efficient automated double-sided DNA size selection with MAGFLO NGS beads. Results of fragment analysis using a 4150 TapeStation, showing an electropherogram (EPG) of sheared gDNA before (\*) and after double-sided DNA size selection. The analysis compares magnetic bead ratios of 0.8x (left) to 0.7x (right) for MAGFLO NGS (n=22) and gold standard (n=22) beads.

Application note and full data

 [bit.ly/magflongs-data](https://bit.ly/magflongs-data)

## All-in-one solution for NGS size selection from a single supplier

MAGFLO NGS beads are designed for both manual and automated workflows. For labs seeking higher throughput or improved reproducibility, INTEGRA provides integrated automation solutions:



- **ASSIST PLUS** - automates pipetting steps in magnetic bead workflows
- **VOYAGER** - adjustable tip spacing for different labware formats
- **MAG module** - magnetic stand for bead separation
- **MAGFLO NGS beads** - magnetic beads for NGS size selection and PCR purification
- **Ready-to-use NGS size selection protocols**

**Instruments. Reagents. Applications.**  
**All from INTEGRA.**

# MAGFLO NGS – magnetic beads for NGS size selection and PCR purification

## Product specifications

Application	Size selection for NGS library prep, PCR purification, bead clean-up
Starting material	Fragmented DNA, RNA, cDNA, PCR products
Elution volume	12 µl or above (standard 96 well PCR plate)
Fragment size	Supports double-sided size selection from 100–1000 bp, also compatible with long DNA fragments and gDNA for long-read sequencing
Typical recovery	≥85 % using a 1.8x single-sided size selection
Processing mode	Automated or manual
Throughput	1-384 samples
Downstream application	Library preparation for NGS/Sanger sequencing protocols PCR Mutation detection and genotyping Fragment analysis Microarrays Enzymatic reactions Cloning
Selling unit	1, 50 and 500 ml
Storage	Store at 2-8 °C until the expiration date, for maximum shelf life Stable at 15-25 °C (RT) for up to 18 months until the expiration date
IVD certified	No, research use only
RNase free	Yes

Product	Unit/size	Part no.
MAGFLO NGS magnetic beads for NGS size selection and PCR purification	1 ml	7000
	50 ml	7002
	500 ml	7004



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