

Sep 03, 2025

Purification (Size selection)



Forked from [Size selection \(Purification\)](#)

DOI

<https://dx.doi.org/10.17504/protocols.io.81wgbwrbngpk/v1>

Yin-Tse Huang¹, Tsu-Chun Hung¹

¹Kaohsiung Medical University



Yin-Tse Huang

Kaohsiung Medical University

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.81wgbwrbngpk/v1>

Protocol Citation: Yin-Tse Huang, Tsu-Chun Hung 2025. Purification (Size selection). **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.81wgbwrbngpk/v1>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working



Created: September 03, 2025

Last Modified: September 03, 2025

Protocol Integer ID: 226281

Keywords: purification, size selection

Abstract

Purification (Size selection)



- 1 Prepare  20 μ L sample and  9 μ L magnetic beads in 1.5 mL eppendorf tube.

	A	B	C	D
	Component	Volume	Proportion	Note
	Sample	20 μ l	1x	
	Magnetic beads	9 μ l	0.45x	BeaverBeads™ DNA Select Isolation

- 2 Mix sample and beads gently by flicking then flash spin the tube. Put on the regular rack for 5mins  00:05:00 .

5m

- 3 Transfer the tube to the magnetic rack. After most of the magnetic beads attach to the wall, remove the supernant.

- 4 Add  300 μ L 80% ethanol, flip whole magnetic rack around.

3m

- 5 Repeat **step 4**.

- 6 Quick spin the tube, and put on the magnetic rack. Remove superfluous solution with 10 μ l pipette.

Note**Caution: DO NOT let the beads crack!**

- 7 Add  10 μ L elution buffer. Mix gently by flicking and flash spin the tube. Incubate at 37C for 10mins  00:10:00 .

10m



Note

DON'T put the tube on magnetic rack during waiting in this step.

- 8 Transfer the tube to the magnetic rack. After all the magnetic beads attach to the wall, collect the supernant to a new DNA tube (0.5 ml skirt tube).
- 9 Ready for downstream process (e.g. 1' or 2' PCR, or library construction).