



Amplicon clean-up using SPRI beads

Josh Quick1

¹University of Birmingham



dx.doi.org/10.17504/protocols.io.7nxhmfn







STEPS MATERIALS

NAME ~	CATALOG # V	VENDOR ~
Agencourt AMPure XP	A63880	Beckman Coulter
Elution Buffer (EB)	19086	Qiagen
QuantiFluor(R) ONE dsDNA System, 100rxn	E4871	Promega

Æ

Vortex SPRI beads thoroughly to ensure they are well resuspended, the solution should be a homogenous brown colour.

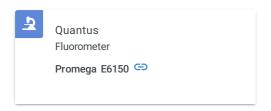


- Add an equal volume (1:1) of SPRI beads to the sample tube and mix gently by either flicking or pipetting. For example add □50 μl SPRI beads to a □50 μl reaction.
- Pulse centrifuge to collect all liquid at the bottom of the tube.
- Incubate for **© 00:05:00** at room temperature.
- Place on magnetic rack and incubate for \bigcirc 00:02:00 or until the beads have pelleted and the supernatant is completely clear.
- Carefully remove and discard the supernatant, being careful not to touch the bead pellet.

7	Add 200 μl of room-temperature [M]70 % volume ethanol to the pellet.
8	Carefully remove and discard ethanol, being careful not to touch the bead pellet.
9	⇒ go to step #7 and repeat ethanol wash.
10	Pulse centrifuge to collect all liquid at the bottom of the tube and carefully remove as much residual ethanol as possible using P10 pipette.
11	With the tube lid open incubate for © 00:01:00 or until the pellet loses it's shine (if the pellet dries completely it will crack and become difficult to resuspend).
12	Resuspend pellet in $\[\]$ 30 μ l Elution Buffer (EB), mix gently by either flicking or pipetting and incubate for $\[\]$ 00:02:00 .
	Elution Buffer (EB) by Qiagen Catalog #: 19086

- 13 Place on magnet and transfer sample to a clean 1.5mL Eppendorf tube ensuring no beads are transferred into this tube.
- 14 Quantify 11 µl product using the Quantus Fluorometer using the ONE dsDNA assay.





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

protocols.io

3 09/25/2019

This is an open access protocol distributed under the terms of the Creative Commons Attribution License (https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited