



RIPTIDE™ HIGH THROUGHPUT RAPID DNA LIBRARY PREP USER MANUAL RELEASES

Current release: Version 1.04 as of April 23, 2020

Updates

Revision:	Distribution Date:	Notes:
1.00	11-03-2017	Initial release
1.01	06-13-2018	Section IV: Update to the PCR cycle recommendations Section VIII: Updates to the following steps Step 1o: Add 1 µL of 150 mM EDTA to each product of the A reaction. Step 1o (Note): Recommend the use of a collection plate in combination with a plate centrifuge to harvest and combine A reaction products. Step 1v: Reduce the total volume of 10 mM Tris-HCl (pH 8.0) added to SPRI Beads I at the end of the SPRI bead purification protocol from 150 µL to 100 µL. Step 3a: Reduce the number of PCR cycles from nine to eight. Steps 4a (option 1) and Steps 4a and 4c (options 2,3,4 & 5): Include an extra pipette mixing step during three SPRI Bead II binding steps.
1.02	07-03-2018	Section VIII Updates to the following: Provide clarification regarding the SPRI Bead II volumes listed in Table 1 and in the size selection method summary at the beginning of Section 4 of the protocol.
1.03	07-18-2019	Section VIII Addition of a new step to the protocol: Step 2f: Perform a wash of the Capture Beads with 100 µL of 0.1 N sodium hydroxide.

Updates

Revision:	Distribution Date:	Notes:
1.04	04-23-2020	<p>Addition of Table of Contents</p> <p>Section IV: Update to PCR cycle recommendations</p> <p>New Section: Addition of "DNA quality" section (Section V)</p> <p>Section VI: Clarification on uses/applications of RipTide library prep</p> <p>Section VII: Additional detail to information about RipTide read structure</p> <p>Section IX: Updates to the following:</p> <p>Step 1d (Note): Provide recommended storage temperature for primer plates.</p> <p>Step 1w: Add "Safe Stopping Point" notice after step.</p> <p>Step 3a: Add "Safe Stopping Point" notice after step.</p> <p>Step 4: Include new size selection option (option 2) and delete previous size selection option 5 in text and Table 1.</p> <p>Step 5: Expand information on steps following library preparation.</p> <p>Sections IX and X: Update to label color scheme to match new tube label colors</p> <p>Addition of Appendix 1</p>