

Ligation sequencing amplicons - Native Barcoding Kit 24 V14 (SQK-NBD114.24)

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Flow Cell Number:

DNA Samples:

INSTRUCTIONS	NOTES/OBSERVATIONS
<p>IMPORTANT</p> <p><input type="checkbox"/> The Library Beads (LIB) tube contains a suspension of beads. These beads settle very quickly. It is vital that they are mixed immediately before use.</p> <p>In a new tube, prepare the library for loading as follows: total(75ul)</p> <ul style="list-style-type: none"> <input type="checkbox"/> 37.5 µl Sequencing Buffer (SB) <input type="checkbox"/> 25.5 µl Library Beads (LIB) mixed immediately before use, or Library Solution (LIS), if using <input type="checkbox"/> 12 µl DNA library <p>Complete the flow cell priming:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Gently lift the SpotON sample port cover to make the SpotON sample port accessible. <input type="checkbox"/> Load 200 µl of the priming mix into the flow cell via the priming port (not the SpotON sample port), avoiding the introduction of air bubbles. <input type="checkbox"/> Mix the prepared library gently by pipetting up and down just prior to loading. <input type="checkbox"/> Add 75 µl of sample to the flow cell via the SpotON sample port <u>in a dropwise fashion</u>. Ensure each drop flows into the port before adding the next. <input type="checkbox"/> Gently replace the SpotON sample port cover, making sure the bung enters the SpotON port, close the priming port and replace the MinION or GridION device lid. <p>[5] Ending the experiment</p> <ul style="list-style-type: none"> <input type="checkbox"/> After your sequencing experiment is complete, if you would like to reuse the flow cell, please follow the Wash Kit instructions and store the washed flow cell at 2-8°C, OR <input type="checkbox"/> Follow the returns procedure to flush out the flow cell ready to send back to Oxford Nanopore. <p>IMPORTANT</p> <p><input type="checkbox"/> If you encounter issues or have questions about your sequencing experiment, please refer to the Troubleshooting Guide that can be found in the online version of this protocol.</p> <p>Flowcell loading 참고 영상 https://www.google.com/search?q=flow+cell+loading&rlz=1C1GCEU_koKR1050KR1050&sxsrf=APwXEdcOGDGoHVJYKuGDL0Jzz85DroB rig%3A1682920595061&ei=k1RPZKWhA_zO2roPzvmnoAI&oq=flow cell+loa&gs_lcp=Cgxnd3Mtd2l6LXNlcuAQAQAgAMgYIABAEAOyCAGAEAUQHhANMggIABAFEB4QDTIICAAQBRAEAOyCAGAEAUQHhANMggIABAEIAB4QDTIKCAAQCBAEAOQDzIICAAQCBAEAO6BwgjEOoCECc6BAgjECc6BwgjEIoFECc6EQguEIAEELEDEIMBEMcBENEDOGgIABCB BCxAzoLCC4QgAQQsQMgQwE6DgguEIAEELEDEMcBENEDOGciABCK BRBDogsILhCABBCxAxDUAjoFCAAQgAQ6CAguEIAEELEDOgUilhCAB DoHCAAQgAQQCjoICAAQgAQQyWE6DgguEIAEEMcBEK8BEMsBOgoI ABCABBAKEMsBOgYIABAEAO6CAGAEAB4QDxAkOggIABAFEB4QCjoG CAAQCBAESgQIQRGaULkEWMAiYL0waAJwAXgAgAGCAyGbhwySAQ QwLjEzmAEAOAEBSAEKwAEB&scient=gws-wiz-serp#fpstate=ive&vld=cid:58e0f0df,vid:Pt-iaemrM88</p>	<p>바로 flowcell에 로딩하기, buffer가 adapter와 섞이는 순간 소모됨.</p> <p>기포 생기지 않도록 주의</p> <p>한번에 다 넣지않고 방울방울 떨어뜨리기</p> <p>Flowcell은 고가의 장비이므로 최대 4번까지 재사용할 수 있으므로 워시 후 4도씨 보관. Washing 프로토콜 참고 보관시 뒤집어두거나 세워주면 안됨.</p>