어느정도 읽혔는지 실시간으로 보이기 때문에 목표치 까지 시퀀싱이 일어났을경우 stop.
나노포어의 경우 지정한 시간동안 돌아가기 때문에 stop하지 않고 계속 돌아갈경우 pore 손상이 일어나 flowcell 재사용이 어려움.
Washing을 하더라도 0.1%로 제거되지 않은 DNA가 flowcell에 남아있기 때문에
한 flowcell을 여러 번 사용할 때는 바코드 번호가 겹치지 않게 하는 것이 중요함.
사용하지 않은 바코드 넘버 사용하기

Flow Cell Wash Kit (EXP-WSH004)

Version: WFC_9120_v1_revI_08Dec2020
Last update: 12/04/2023

Flow Cell Number: .....

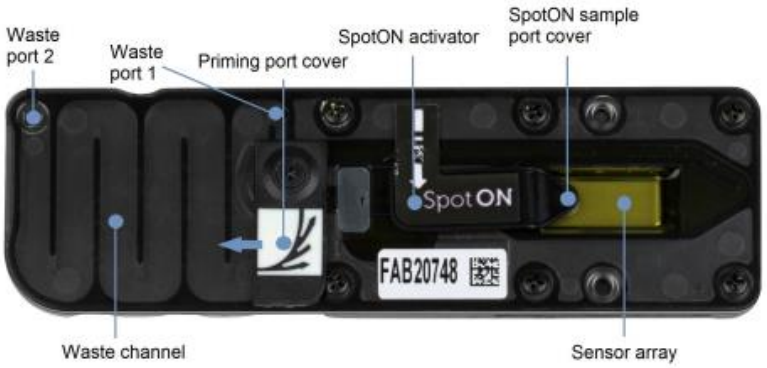
Before start checklist

Materials

Consumables

Equipment

- [ ] Flow Cell Wash Kit (EXP-WSH004)
- [ ] Flow cell priming reagents available in your sequencing kit or in the following kits:
- [ ] Sequencing Auxiliary Vials V14 (EXP-AUX003) or Sequencing Auxiliary Vials (EXP-AUX002 or EXP-AUX001)
- [ ] Flow Cell Priming Kit (EXP-FLP004) or Flow Cell Priming Kit (EXP-FLP002)
- [ ] Ice bucket with ice
- [ ] Pipettes and pipette tips P20, P1000



INSTRUCTIONS

Flushing a MinION/GridION Flow Cell

Preparation to run the washing procedure

- [ ] Place the tube of Wash Mix (WMX) on ice. Do not vortex the tube.

Dnase 1 포함. 따라서 1시간 엄수

- [ ] Thaw one tube of Wash Diluent (DIL) at RT.
- [ ] Mix the contents of Wash Diluent (DIL) thoroughly by vortexing, spin down briefly and place on ice.

In a clean 1.5 ml Eppendorf DNA LoBind tube, prepare the following Flow Cell Wash Mix:

- [ ] 2 µl Wash Mix (WMX)
- [ ] 398 µl Wash Diluent (DIL)
- [ ] Mix well by pipetting, and place on ice. Do not vortex the tube.
- [ ] Stop or pause the sequencing experiment in MinKNOW, and leave the flow cell in the device.
- [ ] Before removing the waste fluid, ensure that the flow cell priming port cover and SpotON sample port cover are closed, as indicated in the figure below.

Waste port 앞까지만 제거하고 버블 안생기도록 주의

- [ ] Using a P1000, remove all fluid from the waste channel through Waste port 1. As both the flow cell priming port and SpotON sample port are closed, no fluid should leave the sensor array area.

IMPORTANT

- [ ] It is vital that the flow cell priming port and SpotON sample port are closed to prevent air from being drawn across the sensor array area, which would lead to a significant loss of sequencing channels.

- [ ] Rotate the flow cell priming port cover clockwise so that the priming port is visible.

After opening the priming port, check for a small air bubble under the cover. Draw back a small volume to remove any bubbles:

액체가 조금 나왔다 싶으면 stop !!! 기포가 들어가면 안됩니다.

- [ ] Set a P1000 pipette to 200 µl.
- [ ] Insert the tip into the flow cell priming port.
- [ ] Turn the wheel until the dial shows 220-230 µl, or until you can see a small volume of buffer/liquid entering the pipette tip.
- [ ] Visually check that there is continuous buffer from the flow cell priming port across the sensor array.