

# Quick Start Guide

## DNBSEQ-T7 Series

### General workflow

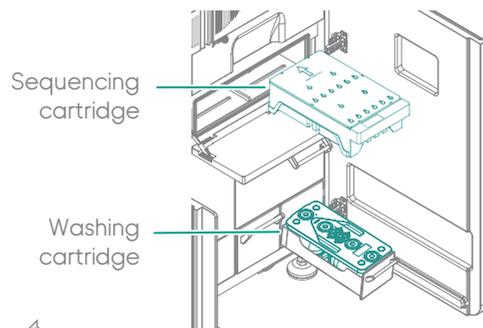
- Load the reagent cartridge
- Log in
- AB Select a flow cell stage
- Load the flow cell
- Review parameters
- Perform a sequencing run
- Automatic post wash (Optional)

### 1. Wear protective equipment



- 1 Laboratory coat
- 2 Disposable bouffant cap
- 3 Mask
- 4 Gloves
- 5 Shoe covers

### 3. Load the reagent cartridge



- Cartridges should be prepared before loading and the position of the cartridges should be consistent.
- If you need to use four flow cells simultaneously, you can load the cartridges at the same time.

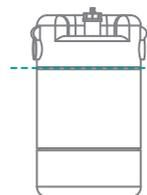
### 5. Sequencing



- 1 Sequencing
- 2 Automatic post wash (Optional)

### 2. Maintain the device before operation

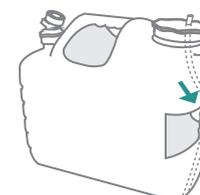
Before operation, maintain the device according to the pre-run checklist provided by the technical support.



Waste container maximum volume



If you need to use four flow cells simultaneously, empty or replace the waste container.



Connecting the pure water tube



- When connecting the pure water container, ensure that the tube goes through the handle.
- Maintain the pure water container every week.

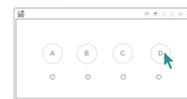


**Warning**  
Insufficient pure water will result in sequencing failure. For details about pure water consumption, refer to the relevant reagent kit user manual.

### 4. Log into the system and start sequencing



- 1 Tap to log in to the system.



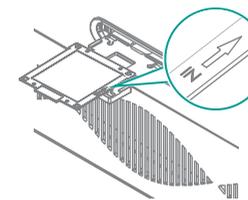
- 2 Tap a flow cell stage ID.



Select the flow cell stage according to the cartridge position.



- 3 Tap Sequence and select New run or Resume run.



- 4 Load the flow cell.



- 5 Complete the parameter settings.

- 6 Tap Start.

After the system enters the running interface, you can open the reagent compartment door and load new cartridges.

### 6. Recycle the flow cell

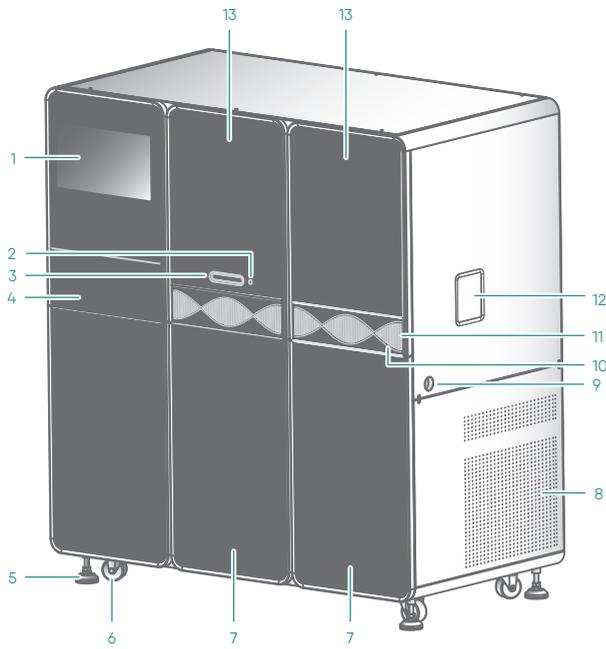


Warning; crushing of hands

### 7. View sequencing results

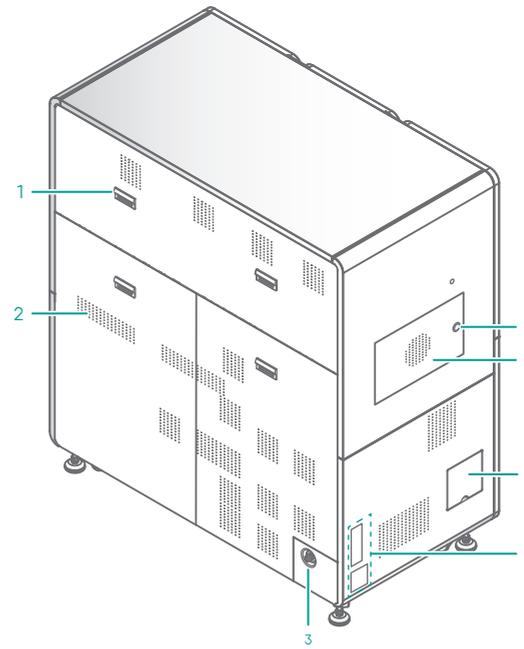


- In the device sequencing interface, click to view the first base report.
- View the detailed sequencing report in the preset server directory.



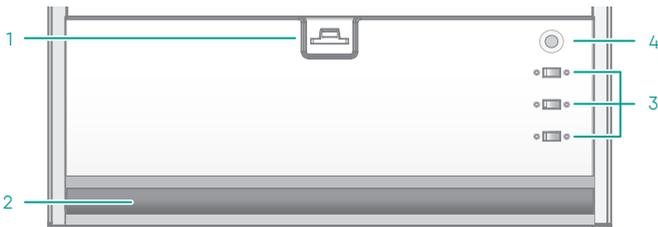
### Front view

- 1 Touch screen monitor
- 2 Flow cell drive button
- 3 Flow cell drive
- 4 Operation panel
- 5 Supporting feet
- 6 Caster
- 7 Reagent compartment
- 8 Ventilation inlet
- 9 Waste container port
- 10 LED status bar
- 11 Ventilation inlet
- 12 Flow cell retrieval compartment
- 13 Fluidics maintenance door



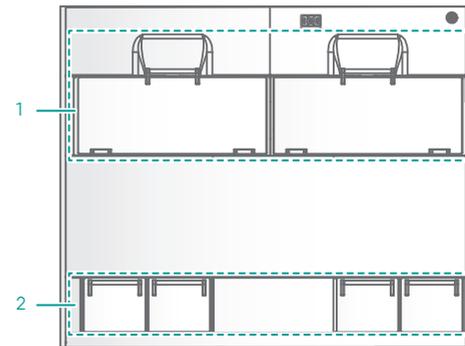
### Rear view

- 1 Handle
- 2 Ventilation outlet
- 3 Power inlet
- 4 Ports
- 5 Pure water container port
- 6 Optics maintenance door
- 7 Maintenance door button



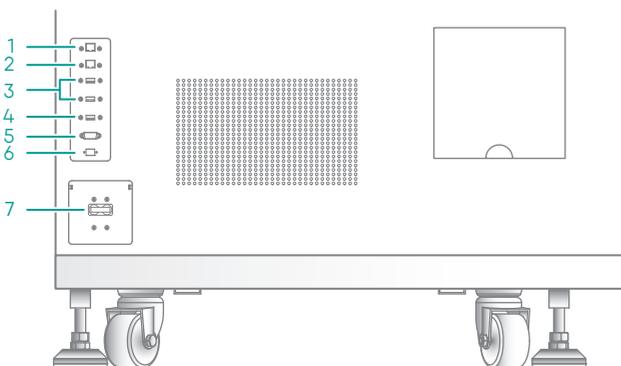
### Keyboard and ports

- 1 Keyboard tray latch
- 2 Keyboard tray
- 3 USB 3.0 port
- 4 Host power button



### Reagent compartment

- 1 Sequencing cartridges
- 2 Washing cartridges



### Ports

- 1 Network port 1
- 2 Network port 2 (Server)
- 3 USB 3.0 port
- 4 USB 3.0 port (Server)
- 5 VGA port
- 6 Optical fiber port
- 7 Power switch

### Maintaining the waste container

- 1 Wear protective equipment.
  - 2 Remove the lid without tubes from the waste container, install a new lid with sealing gasket, and secure the lid until you hear a click.
- Dispose of the waste according to local regulations and safety standards of your laboratory.

### Maintaining the pure water container

- 1 Empty the pure water container.
- 2 Spray 75% alcohol onto the inner surface of the lid and the surface of the pure water tube, and then wipe them with a clean cloth.
- 3 Add sufficient laboratory-grade water into the pure water container, and attach the lid back onto the container.
- 4 Gently swirl it until all inner walls are cleaned.
- 5 Empty the pure water container.
- 6 Repeat steps 3 to 5 twice.