

Operation Manual

Extraction

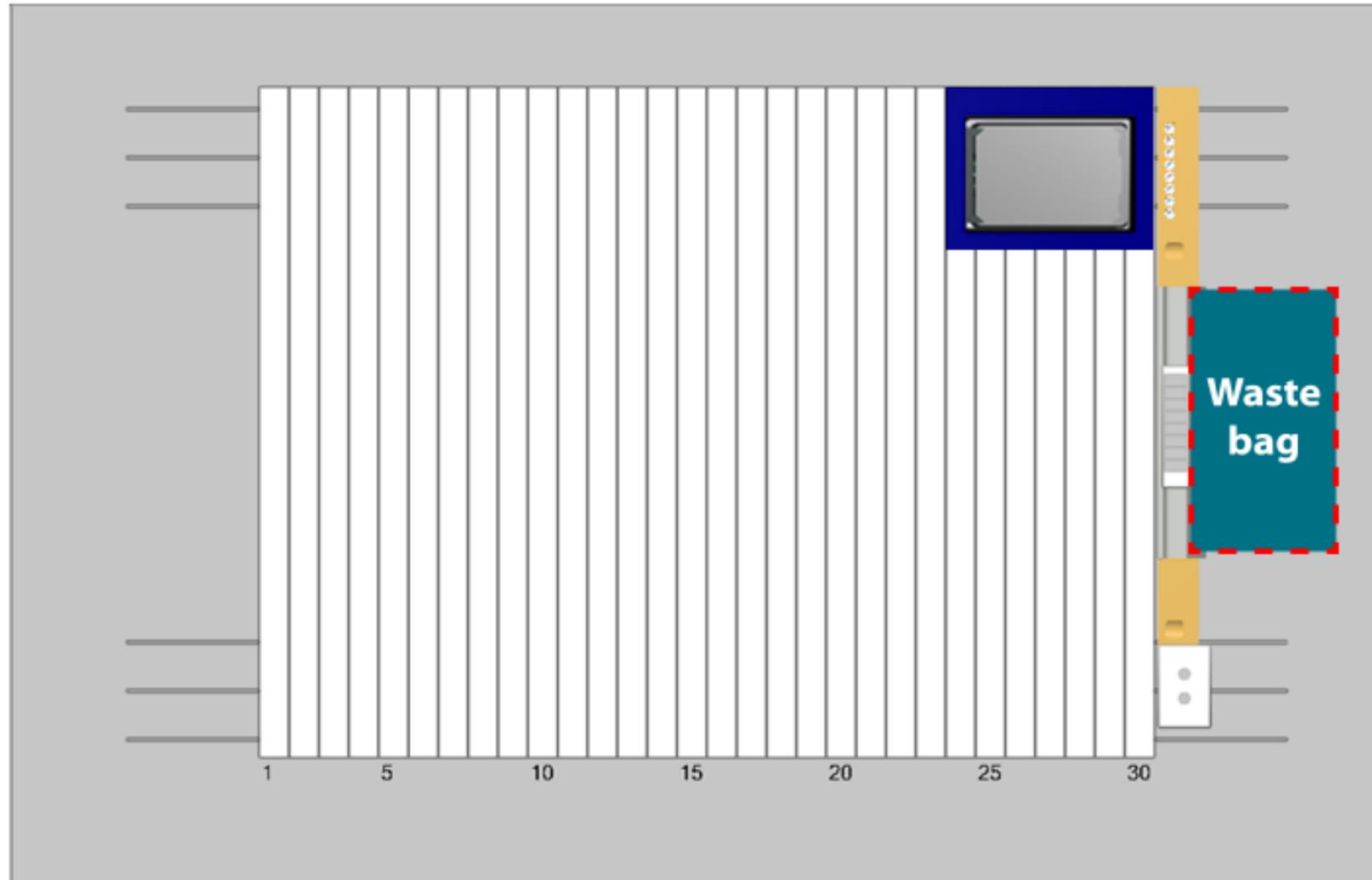
STARMag 96 X 4 Universal plus Cartridge Kit

For use with the

1. Microlab STARlet IVD
2. Seegene STARlet

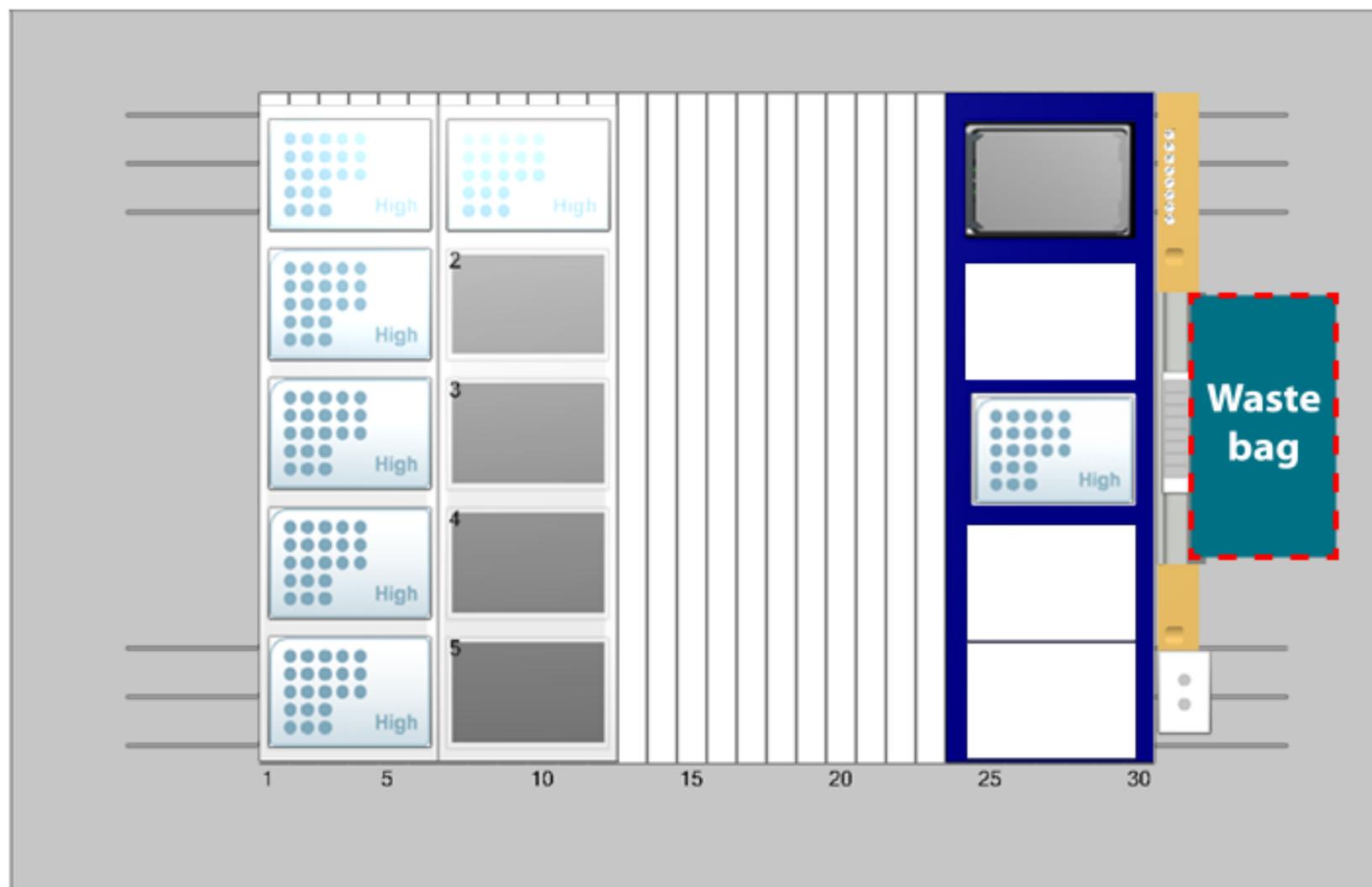
Not available for sale in the U.S.

TUTORIAL



Prepare Waste Bag

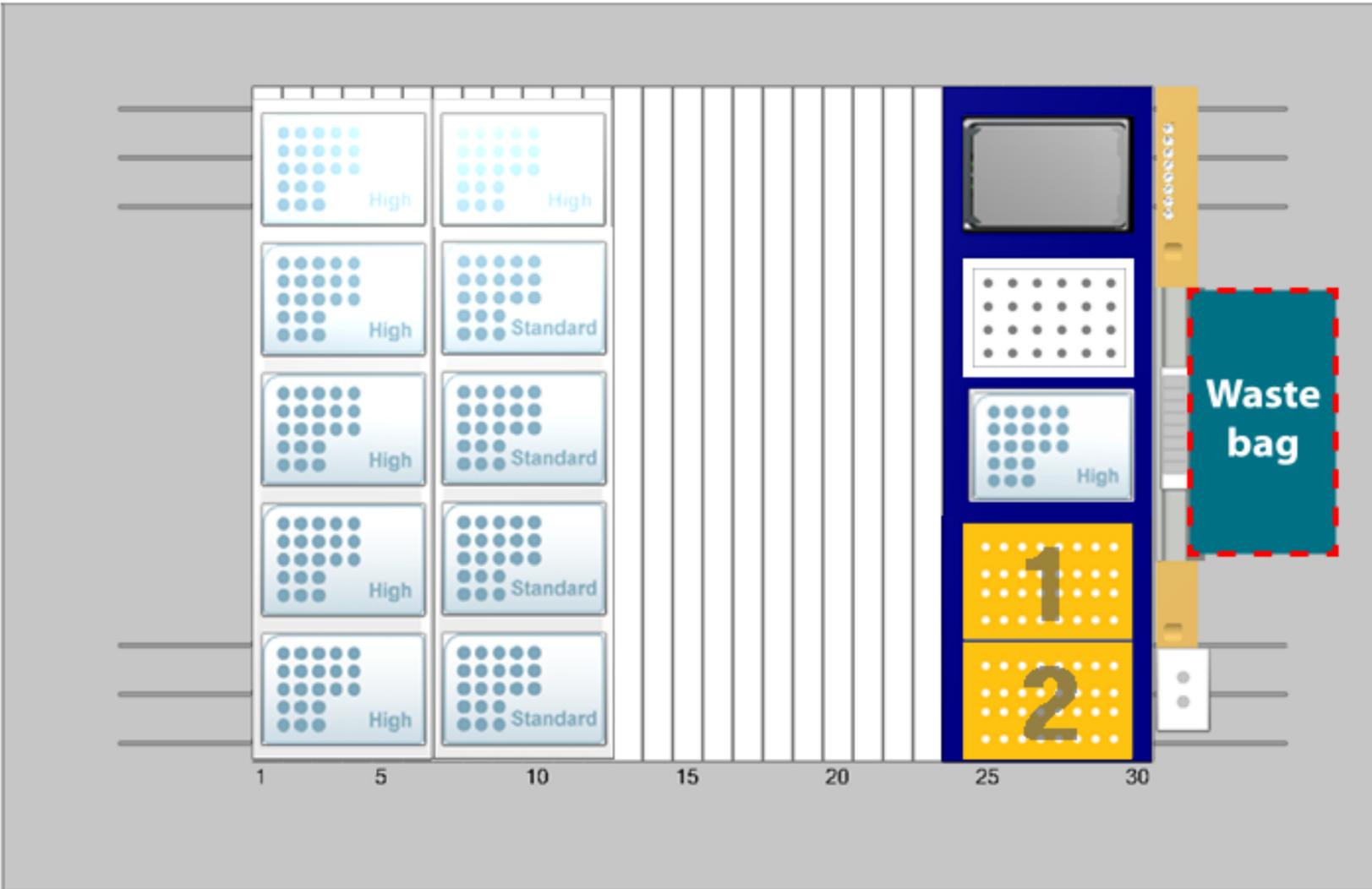
Make sure the tip waste is in position.
If not, place it correctly.



Prepare 1000 μ L Tip

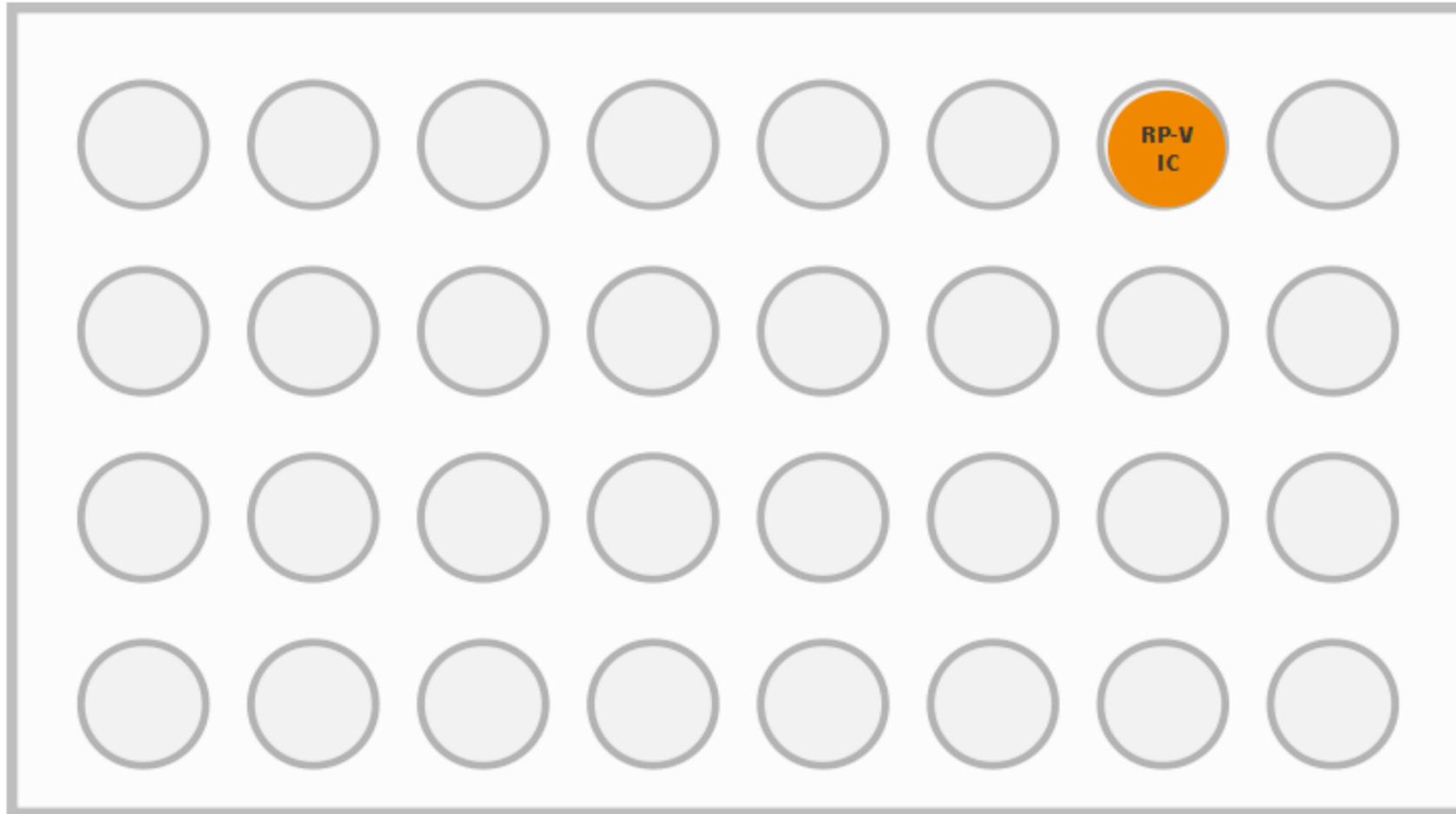
Put the 1000 μ L filter tip.
The number of required tips is noticed after marking the position of tips on the screen.

Note: The barcode of tips should be placed to right side of tips.



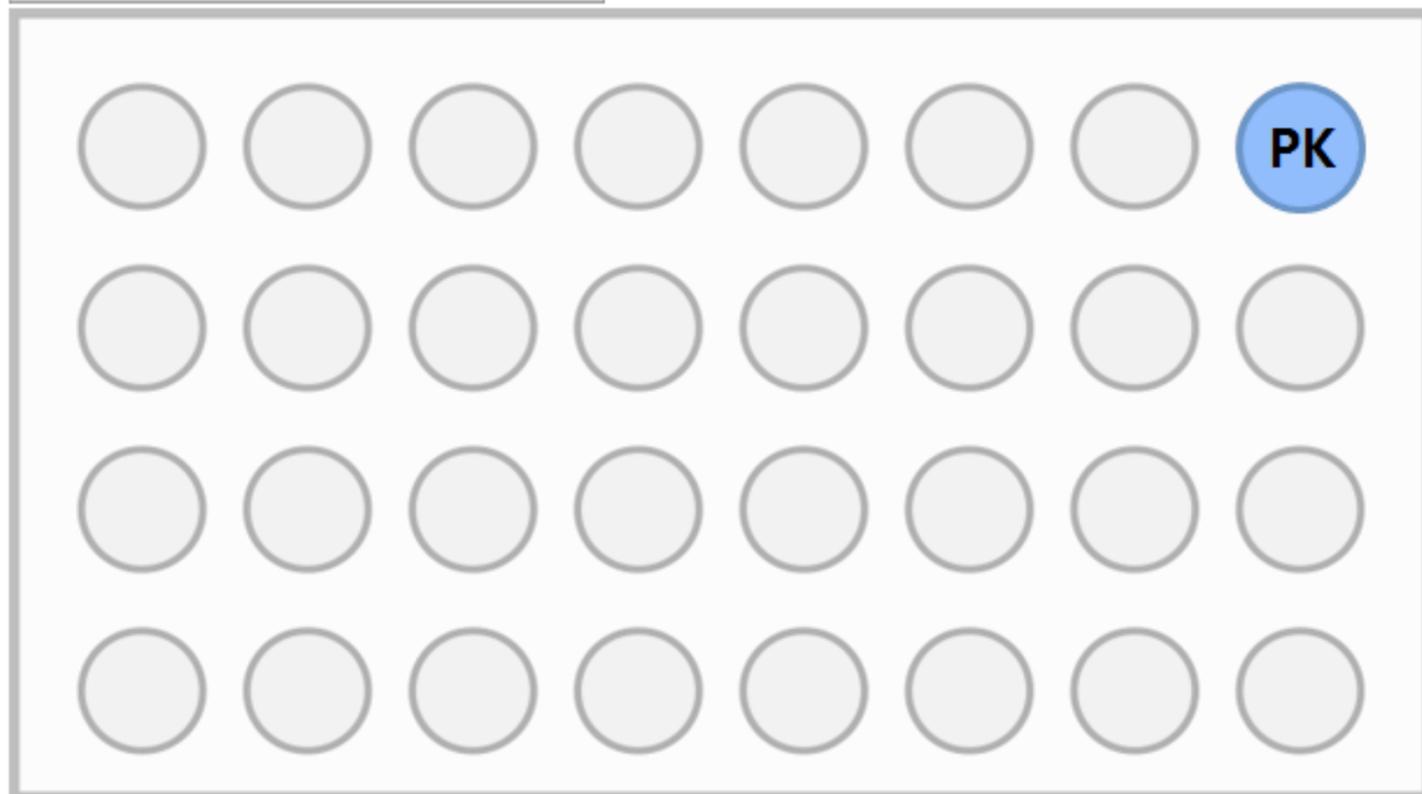
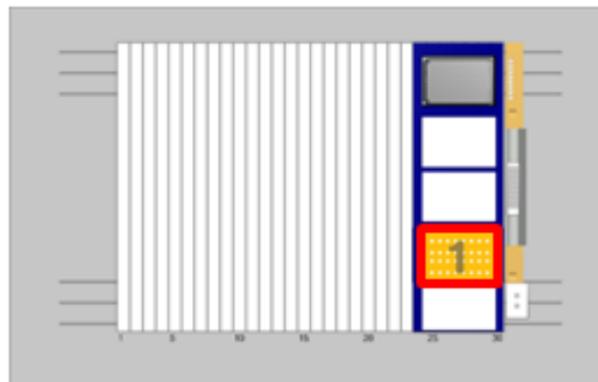
Prepare Small Tube Rack Carrier

Place the small tube rack carrier at Track No. 24.



Prepare IC

Put RP-V IC on appropriate position in the small tube rack 1.
(Refer to the left picture)



Prepare PK

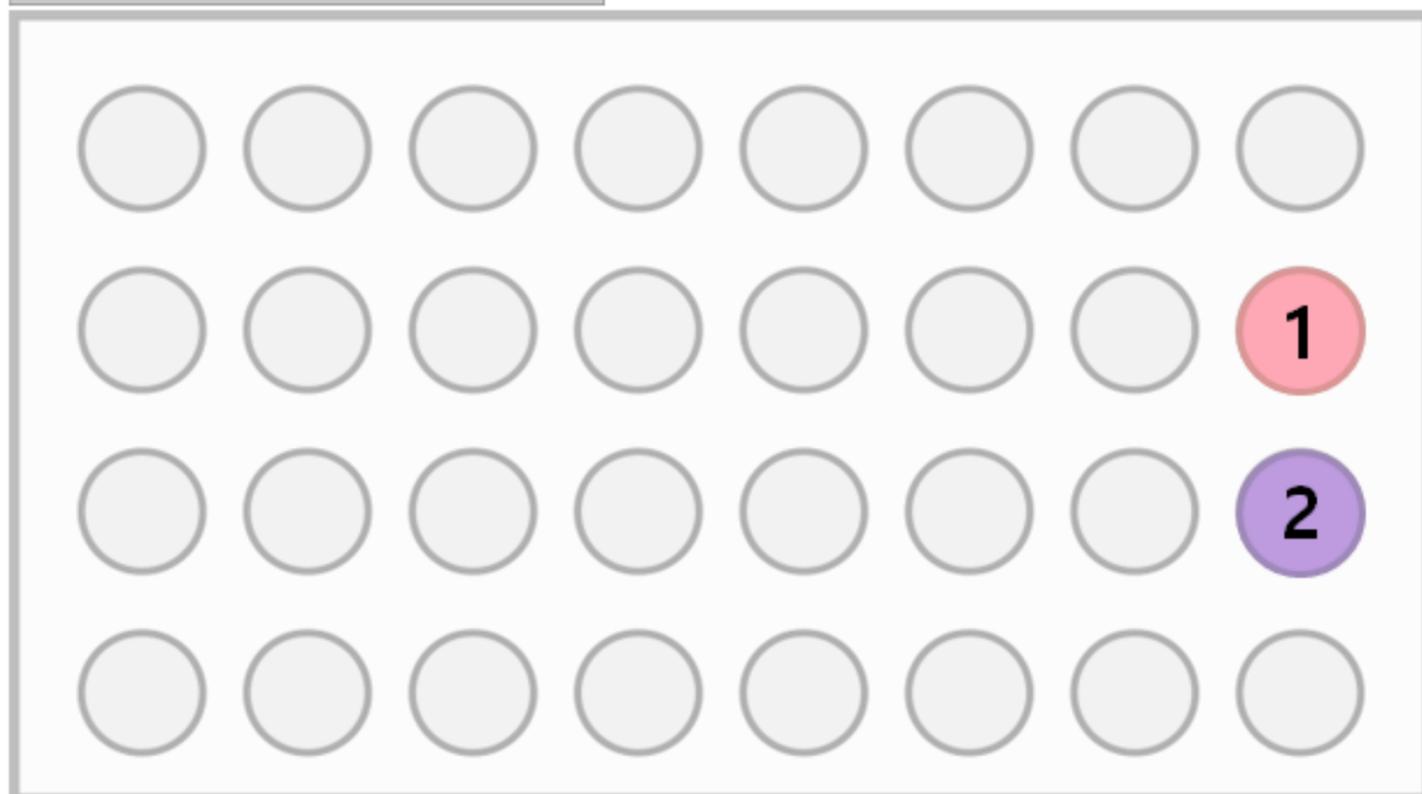
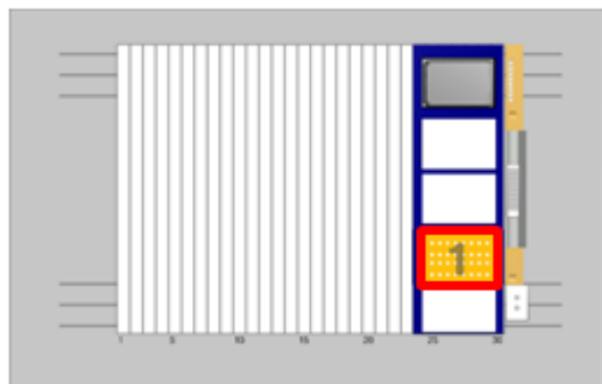
Put PK in the 1.5 mL sterile microtube according to the number of samples and place designated position in the small tube rack 1.

Note: Prepare PK before running the instrument. The exact volume will be indicated on the Work List.

Sample Qty.

Proteinase K

μL



Prepare Magnetic Beads

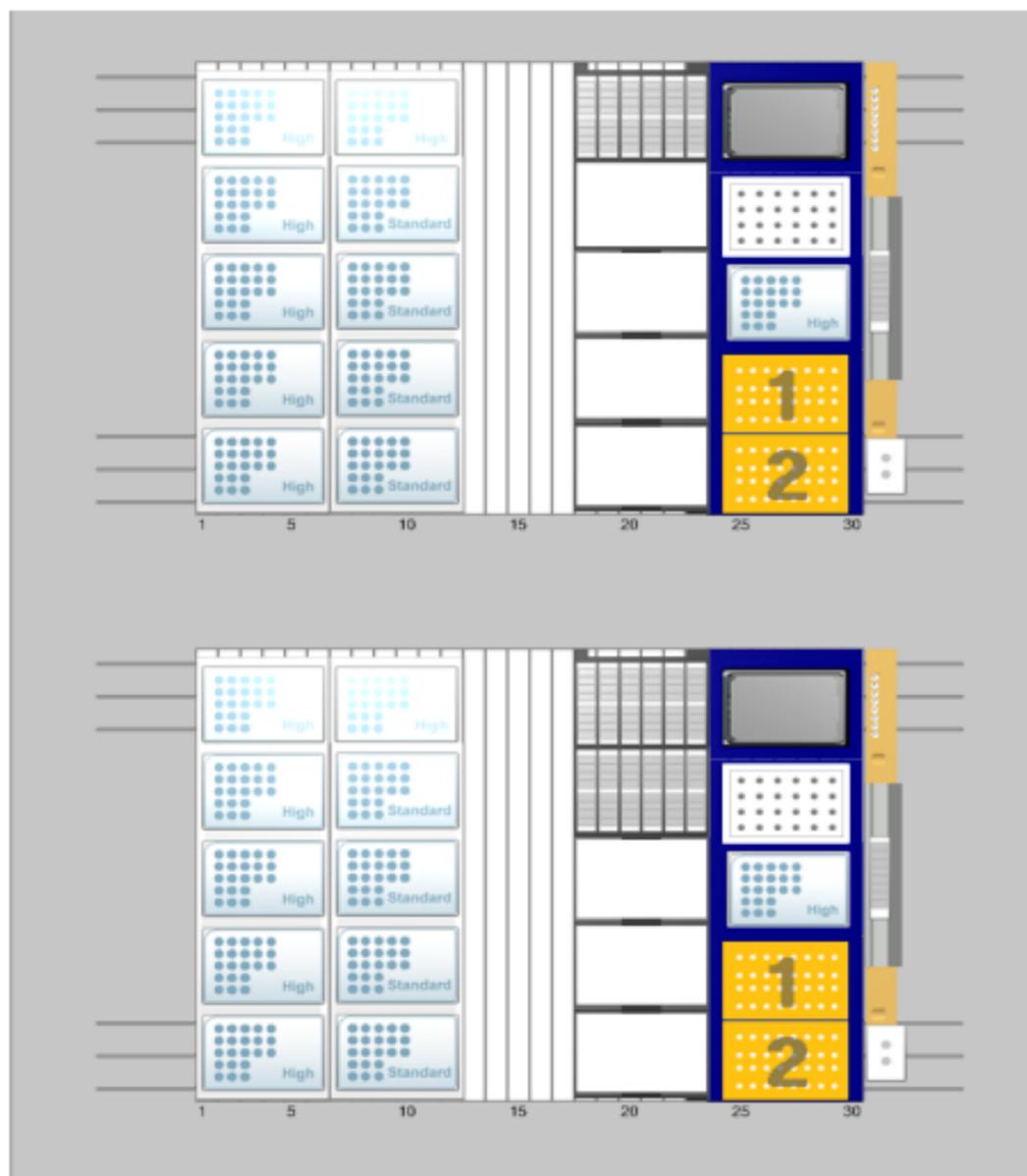
※ Resuspend the bead tube with hand tapping and then vortex for more than 1 minute.

[● 1st Bead position]

Place the Bead tube on the designated position in the small tube rack 1.

[● 2nd Bead position]

If the total number of prepared samples exceeds the remaining samples covered by previous cartridge, add a new tube of magnetic beads in the right hand side position.



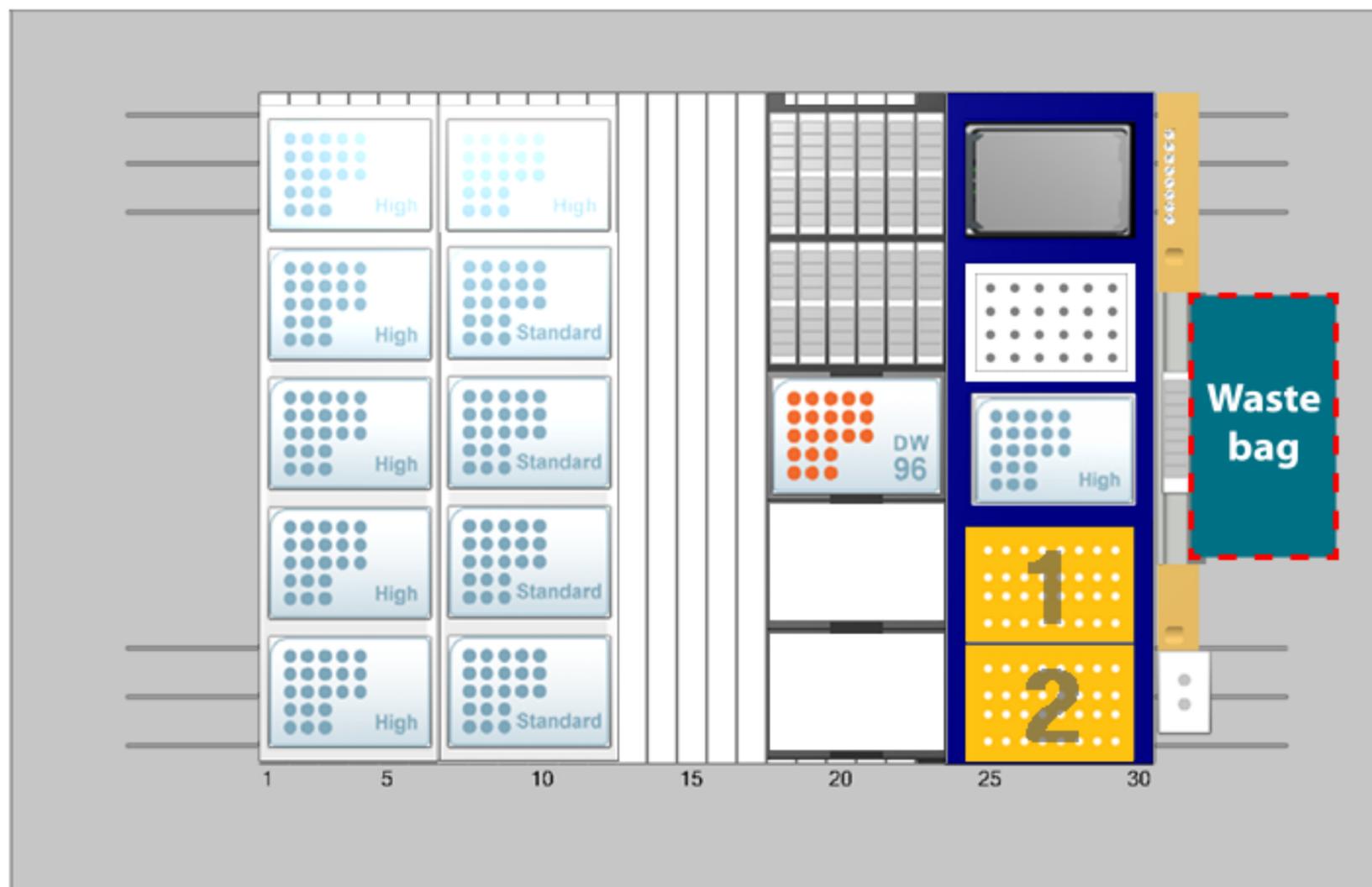
Prepare Extraction Reagent

☒ Add absolute ethanol to the cartridge of WB2 before using for the first time. Refer to the Tub Label of WB2.

Place the extraction reagent cartridge at Track No. 18.

After completing Work List, read the barcode attached on the extraction reagent cartridge at the Reagent Barcode page.

If the total number of prepared samples exceeds the remaining samples covered by previous cartridge, new extraction reagent cartridge will be required.



Prepare 96 DWP

Place the 96 DWP on the designated position.

※ When using barcoded 96 DWP, the barcode of DWP should be placed to right side of plate.

※ **Sample Preparation Guide**

Minimum Volume (μL)			
Tube	Specimen		
	General ^a	Stool	Blood
1.5 mL	300	800	300
12 mm	800	800	800
16 mm	2000	-	2000
Thinprep ^b	3000	-	-

a: Nasal Swab, Urine, Liquid Based Cytology, Sputum, Rectal Swab etc.

b: Only if directly place Thinprep tubes on STARlet.

Prepare Sample

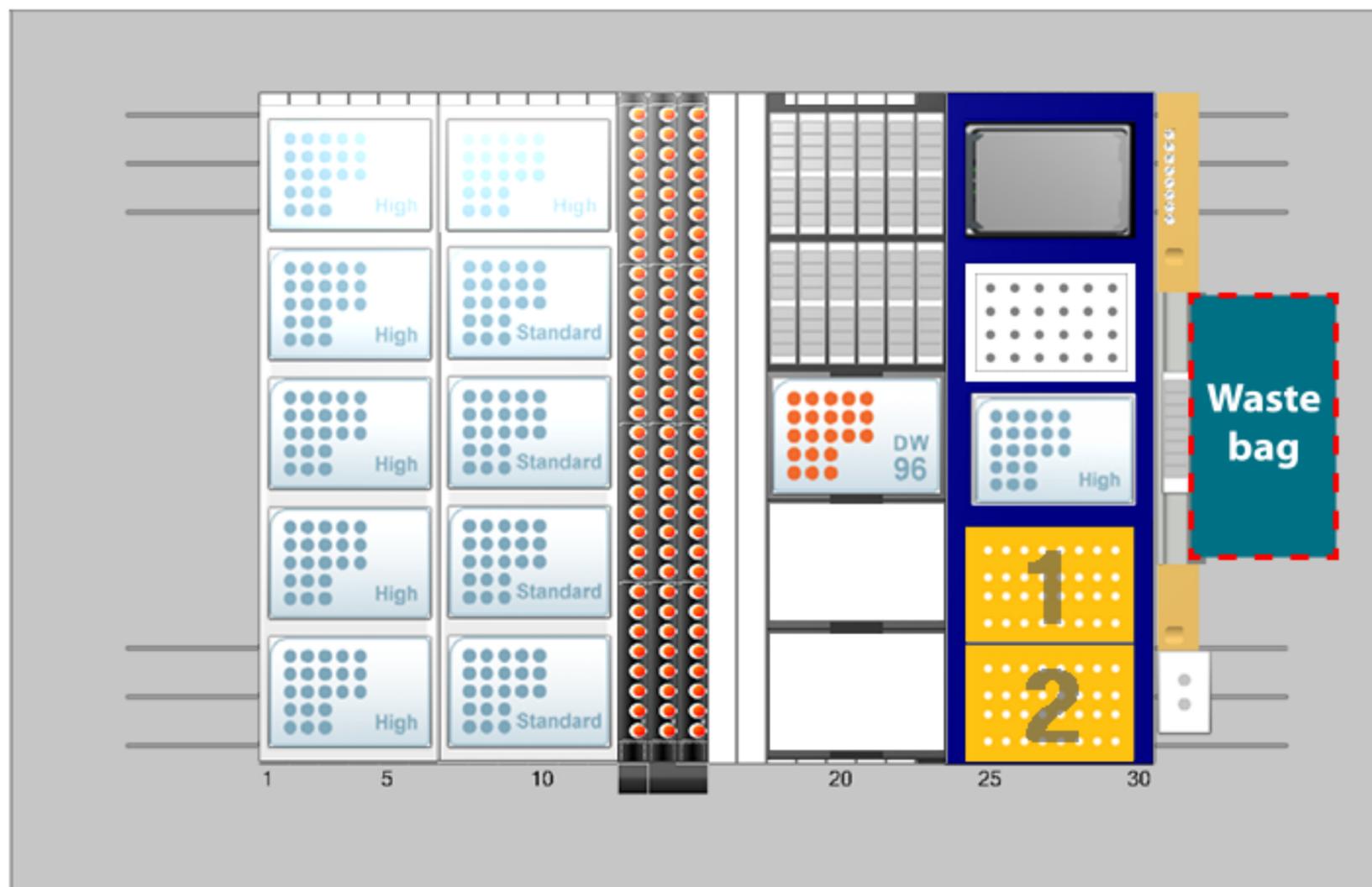
Prepare each sample on tubes, referring to sample type and tube size.

Then place them into appropriate position.

Each tube must contain more than a guided volume of samples. (Refer to Sample preparation guide)

※ Insert the stop barcode tube into the following location after loading all the samples.

Note: If pretreatment is required, refer to the product user manual.



Prepare Sample Carrier

Place the 32 sample carriers at Track No. 13, 14 and 15.

※ If Sample Unload is turned "On",
After sample dispense, sample carriers are automatically
unloaded.