EiCOM M-510/M-514
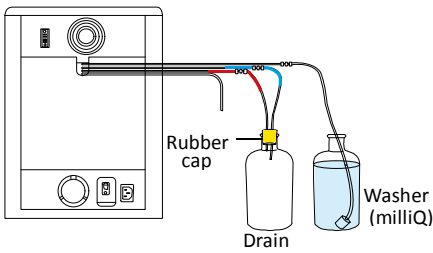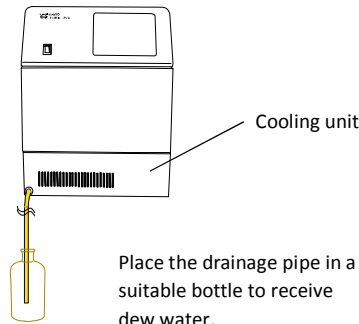# Starter Guide
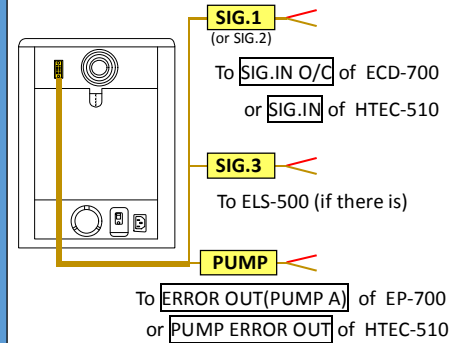
1. Preparation of Drain & Washer

Rubber cap
Drain
Washer (milliQ)

Joint 3 tubing (red, blue and no color) and set a drain and a washer bottle. Put a rubber cap tightly.
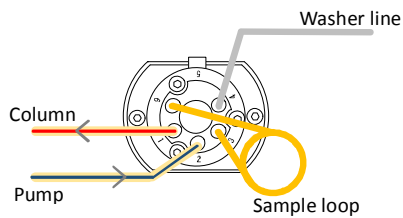
2. Receive the Drainage Pipe

Cooling unit

Place the drainage pipe in a suitable bottle to receive dew water.
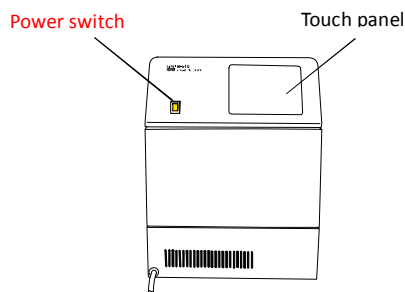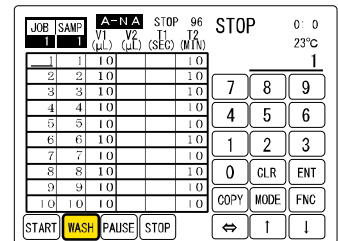
3. Joint Signal Cables

SIG.1 (or SIG.2)
To SIG.IN O/C of ECD-700
or SIG.IN of HTEC-510

SIG.3
To ELS-500 (if there is)

PUMP
To ERROR OUT(PUMP A) of EP-700
or PUMP ERROR OUT of HTEC-510

4. Joint Tubing

Washer line
Column
Pump
Sample loop

#1 : to Column (red)
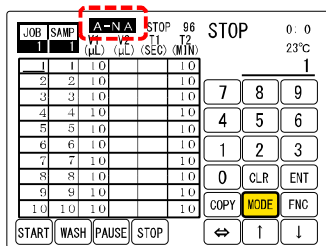#2 : from Pump (blue)

5. Turn on the Power

Power switch
Touch panel

6. Priming & Washing

Push WASH key about 10 times to fill the tubing and wash the needle.

7. Setting 1 Mode Select

NA : Normal
CA : Fixed rack position
AA : Amino acid pre-label method
GU : Glutamate enzyme method

Push MODE key and select mode (NA, CA, AA or GU).

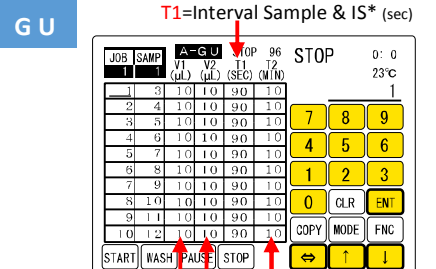## 8. Setting 2 Volume & Time of NA or CA mode

NA
CA
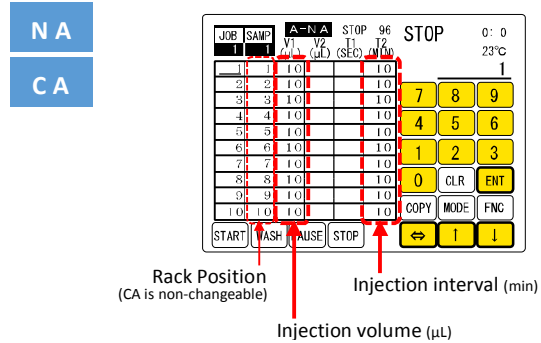
Rack Position (CA is non-changeable)
Injection interval (min)
Injection volume (μL)
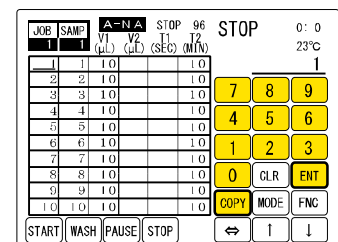
8. Setting 2 Volume & Time of AA mode

AA
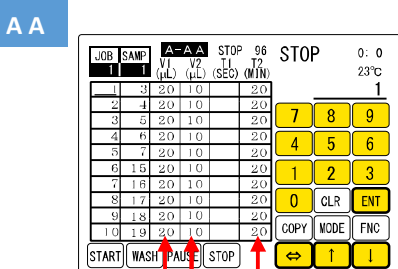
T2=Injection interval (min)
V2=Injection Volume (μL)
V1=Aspiration volume of Sample (μL)

8. Setting 2 Volume & Time of GU mode

GU

T1=Interval Sample & IS* (sec)
T2=Injection interval (min)
V2=Injection Vol. of IS* (μL)
V1=Injection vol. of Sample (μL)

* IS=internal standar

8. Setting 2 Volume & Time

Push COPY, number and ENT in order, to copy the cursor line down by the input number of lines.

9. Switch the display

JOB monitor

JOB number

Push FNC key, then the display switches.

10. Setting 3 Stop JOB Number

FUNCTION monitor

Enter the JOB number of the last sample.

11. Setting 4 Temperature

Move the cursor and enter the cooling temperature of the sample rack.

12. Setting 5 Derivatization (AA mode)

AA

Enter the Derivatization parameter for AA mode.

13. Check the parameters

14. Check the Actual Temperature

When the set temperature is reached, set samples in the rack.

15. Set Sample Vials

NA Random order
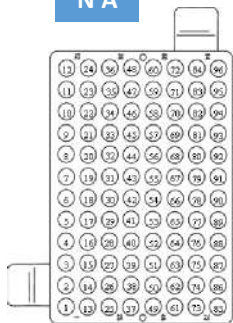
CA Sequential order

AA Sequential order

GU Sequential order

Empty vial

Sample

OPA

IS
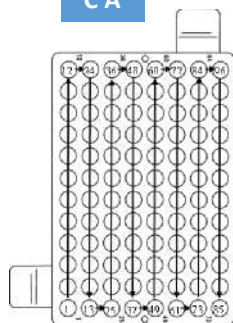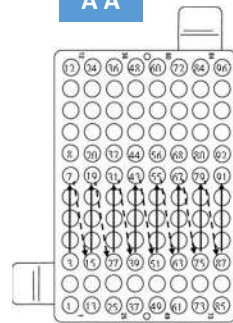
Sample
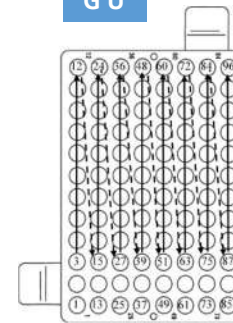
Max sample = 96
Max sample = 96
Max sample = 40
Max sample = 80

16. Start Analysis

Move the cursor to the first sample line and push START key.

17. Stop during Analysis

Push STOP key if necessary.

18. After Analysis
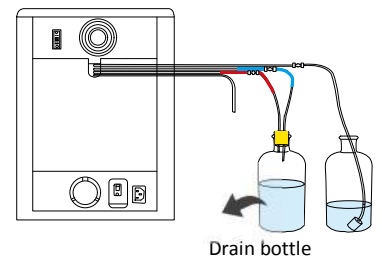
Drain bottle

Turn off the power. Empty the drain bottle. Remove the sample rack and dry.

Please see the manual for more details.