Sample UX Copy #1 – Starting the Echo® MS+ System

Scenario: Start the Echo® MS+ System

Original Instruction (technical-focused):

1. Turn on the convenience switch on the Echo® MS+ module.
2. Turn on the chiller module convenience switch.
3. Turn on the computer.
4. Open SCIEX OS software.

Rewritten with UX Principles:

Before you begin:

- Verify all power, Ethernet, and fluidic lines are firmly connected.
- Make sure that the mass spectrometer and chiller module are connected to the respective mains outlet.

Steps:

1. **Turn on the Echo® MS+ module** using the back-panel convenience switch.

   Tip: A soft click is heard when the system starts self-check.

2. **Switch on the chiller module** to activate temperature control.
3. **Power up the acquisition computer**, then wait for the desktop to load completely.
4. **Open the SCIEX OS system** and locate the Echo® MS+ device in the **Devices** list.

   Tip: If the module is not shown, then click **Refresh** in the Device Control panel and check the Ethernet connections.

Sample UX Copy #2 – Manual Plate Loading

Feature: Manual Plate Loading Procedure
Original Instruction (technical-focused):

1. Press the Plate load/unload button on the left side of the Echo® MS+ module.
2. The gripper assembly extends.
3. Put the sample plate in the gripper assembly.
4. Press the Plate load/unload button on the left side of the Echo® MS+ module.
5. The gripper assembly with the sample plate retracts.

Rewritten with UX Principles:

Load a Sample Plate

Use this procedure to load the sample manually—no automation required.

Steps:

1. **Press the Plate Load/Unload button** on the modules left side.

   Result: A green LED will flash as the gripper arm extends.

2. **Place the sample plate** squarely in the gripper arms.

   ⚠️ *Keep fingers clear of moving parts—wait for the LED to stop flashing.*

3. **Press the Load/Unload button again** to retract the plate.

4. **Confirm in the SCIEX OS software** under **Plate Status** that the plate is recognized and ready.

💡 **Troubleshooting Tip:** If the arm stalls, then make sure that the Echo-certified plate is used and it is fully seated in the gripper.

Context	Button/Control Label
Ready to begin analysis	Start Analysis
Modify parameters	Edit Parameters
Halt an in-progress run	Abort Run
Navigate back to menu	Return to Home
Eject current plate	Unload Plate
Access maintenance tools	Open Maintenance
Acknowledge warning	Dismiss Alert
Retry after error	Retry Operation
Cancel setup entirely	Cancel Setup
Hardware Manual plate loading	Plate Load/Unload button
Hardware – Emergency shutdown	Emergency Off button
Software Maintenance – Solvent priming	Purge
Configuration workspace – Device setup	Add/ Test Device/ Activate Devices

Error-State Guidance

Note: If the system is initiated immediately after the electrode assembly is replaced, then an OPI Drip Sensor Fault detected error might occur. Wait at least 5 minutes for the sensor to dry and recover. To dry the sensor manually, refer to the document: *OPI Port and Drip Sensor Maintenance*.