

CombiFlash® EZ Prep

Quick Start Guide

Overview

The following quick start instructions require three initial actions to be successful in operating the CombiFlash EZ Prep system:

- The operator shall be familiar with the safety warnings in Section 1 of the CombiFlash EZ Prep Installation Guide.
- The system shall be installed according to the installation instructions in Section 2 of the CombiFlash EZ Prep Installation Guide.
- The system shall be operated from the touch panel display.

Quick Start Instructions for Prep Purification

1. Install the appropriate Preparative HPLC column in the column mounting bracket located on the right side of the EZ Prep system.
2. If the column has not previously been used on the instrument, it is necessary to add the column to the column list. If the column is already on the list, skip to Step 8. To add the column to the list:
 - a. Touch the TOOLS tab at the top of the screen.
 - b. From the TOOLS drop down menu, select CONFIGURATION.
 - c. On the CONFIGURATION screen select the PREP tab. You will notice the page background is now green. This indicates you are operating on the Prep side of the system (Figure 1).

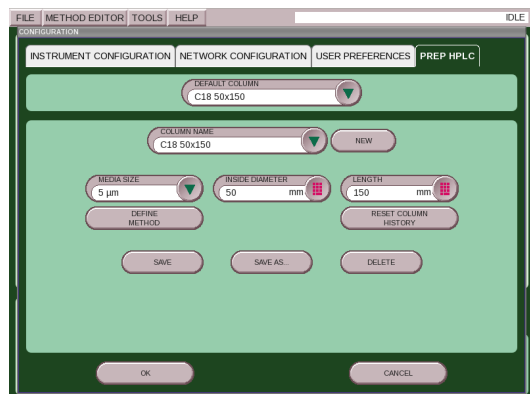
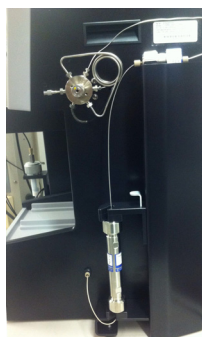


Figure 1: Green background indicates Prep side of the system

3. Select NEW and enter a name for the column. This name will appear on the reports in the NOTES field. Press ENTER.
4. Enter the column information using either the drop down screens or the number keypad.
5. Select DEFINE METHOD and edit the default method conditions if desired.
6. Select SAVE.

☒ Note

If this is the column you plan on using most often, select the down arrow in the DEFAULT COLUMN window and select the name you gave to the column just entered. When you switch from Flash to Prep the DEFAULT COLUMN will be automatically displayed in the REDISEP window on the RUN screen.

7. Close the CONFIGURATION screen by clicking OK.
8. On the RUN screen press the DOWN arrow in the REDISEP window to select a column (Figure 2).

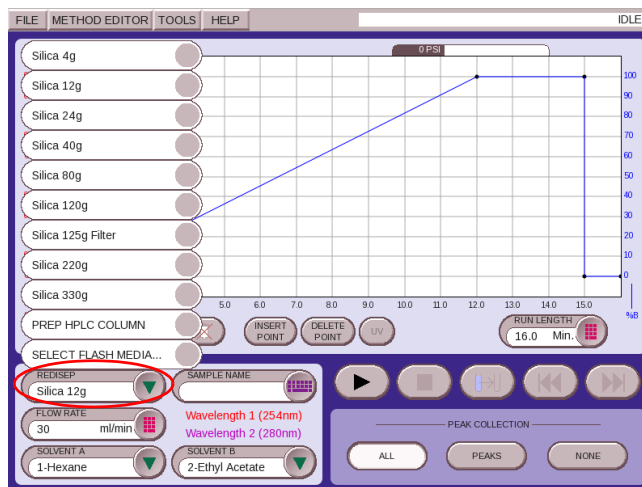


Figure 2: Run screen

9. Select PREP HPLC COLUMN from the menu. The default column defined in the CONFIGURATION screen will appear in the REDISEP box. To change to another predefined Prep column, press the REDISEP DOWN arrow a second time. Choose the desired column from the displayed list (Figure 3).

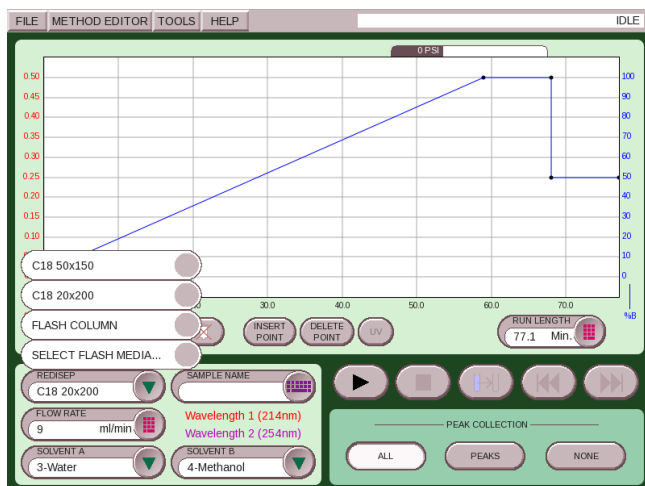


Figure 3: Main Prep Screen

10. On the main window, click the PLAY button.



11. The MINIMUM RUN REQUIREMENTS screen will appear.

Note

In order to prevent any sample loss do not load more than 50% of the total loop volume (ie. 2.5 mL in 5 mL loop).

12. There are two options under sample loading:
 - a. Load Now (Figure 4)
 - b. Load after Equilibration (Figure 5)

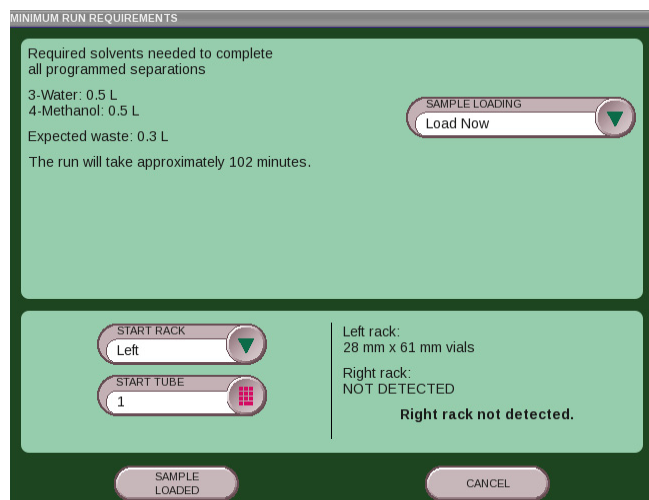


Figure 4: Load Now option

Note

If LOAD NOW is selected, the sample loop is in the load position. Load the sample to be purified into the loop and press the SAMPLE LOADED button. The system will immediately start the equilibration step and then automatically begin the separation without user intervention.

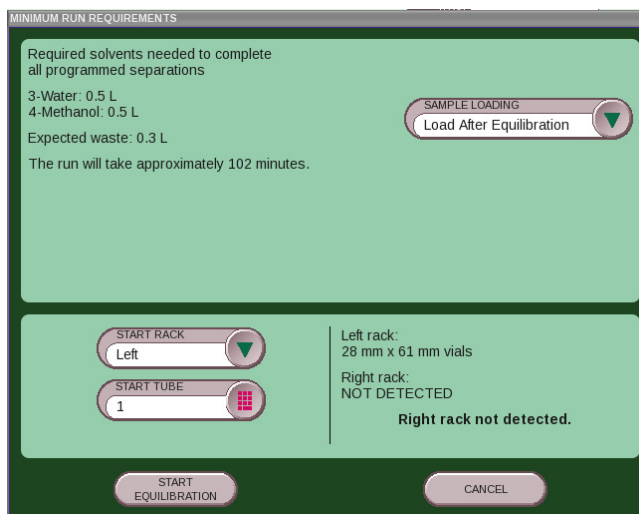


Figure 5: Load after Equilibration option

Note

If LOAD AFTER EQUILIBRATION is selected, the system will perform the equilibration step and then pause, allowing you to load the loop before proceeding. To use this option simply press the START EQUILIBRATION button on the screen. The equilibration will begin. You may load the loop at any time during equilibration. Once equilibration is completed, the system will display a message advising you to load your sample. If you have not already done so, load your sample and press the OK button to start the chromatographic run.

Assistance Available

For detailed operating instructions, refer to the on-line help.

Should you need assistance with these instructions, please contact Teledyne Isco.

Teledyne Isco

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