Evosep Eno Quick Start Guide for Compass HyStar

1. Evosep Eno Instrument Preparation with Compass HyStar

a. Check Evosep solvent levels, Waste, Solvent A, Solvent B. (left picture) Check LEDs for power on pumps (middle) and autosampler (right picture).



b. Open Compass HyStar and verify that it connects to the Evosep Eno and gets into the idle state (green bar).



c. Check that the column and emitter are connected to the MS ion source, and the column is heated to 40 °C. If not connect column and emitter and run the Preparation "flow to column" script to check spray.



2. Evosep Eno Sample Acquisition with Compass HyStar

- a. Make sure that Instrument Preparation has been performed.
- b. Prepare samples according to SOP for sample loading. Remove lid from Evotip box and place it in Slot 1.



c. In HyStar, click the "Acquisition" Icon to open the HyStar Sample Table, then click "New" and click the small arrow in the first line under "Method set" and unselect "Use Method Set".

	New	* - Com	npass Sample	Table (online)								
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d. In the Sample table populate: "Sample Position", "Sample ID", "Data Path", "Separation Method", Injection Met" and "MS Method" for line 1.

New* - Comp	New* - Compass Sample Table (online)												
▶ Start - 🖹 New - X Delete 🔂 Save 🛱 Save As 🃓 Report - → Import/Export - 🌣 Options -													
Line	Sample Po	Status	Sample ID	Sample Type	lnj.	Volume	Pre run [min]	Data Path	Method Set	Separation Method	Injection Method	MS Method	
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e. Right click the left most side of sample line 1 and choose "Add New Samples", in the pop-up box. Set # of "Iterations" (samples) to add and select the increment position option (automatically increment Vial position) then click "ok".

New	- Compass Sample	Table (online)	20200
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1	Add New Samples		

f. Now click "Save As" and save the Sample Table with an appropriate name.

New* - Con	npass Sa	mple Table (onli	ne)								
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Line	Sample	Po Status	Sample ID	Sample Type	Inj	Name:	Sample table quick start	\sim	Separation Method	Injection Method	Sample Comment
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* 🗹 4	S1-A4	~	test	Sample 🗸				$^{\circ}$	/ 100 SPD 🗸	Standard 🗸	100 SPD MS meth
* 🗹 5	S1-A5	~	test	Sample 🗸					< 100 SPD 🗸	Standard 🗸	100 SPD MS meth
* 🗹 6	S1-A6	~	test	Sample 🗸		Description			/ 100 SPD	Standard 🗸	100 SPD MS meth
* 🗹 7	S1-A7	~	test	Sample 🗸					< 100 SPD 🗸	Standard 🗸	100 SPD MS meth
* 🗹 8	S1-A8	~	test	Sample 🗸					/ 100 SPD 🗸	Standard 🗸	100 SPD MS meth
* 🗹 9	S1-A9	~	test	Sample 🗸				~	/ 100 SPD 🗸	Standard 🗸	100 SPD MS meth
* 🗹 10	S1-A10	~	test	Sample 🗸			OK Cancel		/ 100 SPD 🗸	Standard 🗸	100 SPD MS meth
* 🗹 11	S1-A11	~	test	Sample 🗸		l.,,		_	/ 100 SPD 🗸	Standard 🗸	100 SPD MS meth

g. Right click in the sample table and click "upload sample conditions".

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	Configure Tray	1	sample data loaded		
5	Undo			Evosep End)
\sim	Redo				Idle
ж	Cut	Ctrl+X	Time Includ 110.7	Con	nected
	Сору	Ctrl+C	Time [min] 112.7	- FVO	SFP
16	Paste	Ctrl+V			
×	Delete			HP Pressure	58,2 bar
+	Add New Samples		Remaining Time	HP Flow	7,12 µL/min
	Add Repeated Lines	·		Method	_
	Shuffle Samples			Sample	

h. Mark first line in the sample table by clicking the black triangle in line 1, click "Start" and "Start Sequence".

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Start Sequence	Shutdown conditions: Duration:	activated 22 h 32 min	ре	lnj.	Volume	Pre run [min]		Data Path	Method Set	Separation Method
Start Stequence	Expected end:	2025-05-14 09.36	\sim	1		0	C:\Data\	~	~	100 SPD 🗸
			\sim	1		0	C:\Data\	~	~	100 SPD 🗸
Acquisition			\sim	1		0	C:\Data\	~	<u> </u>	100 SPD 🗸

i. After a short while Evosep Eno status will change from "Idle" to "Prerun" to "Injecting" and to "Run" when the gradient starts. More info during the run can be found in the "Run log" of the Graphs window.

HyStar (2 / 9) waiting for injection	impact II ready Operate	Injecting Evosep Eno		HyStar (1 / 10) injected	impact II running Operate	Run Evosep Eno	Evosep Eno graphs Image: Optimized state Image: Optimized state		Displacement [µL]
Time [min] 12.7 O.O Remaining Time 1 h 54 min	1825265.10016	HP Pressure 429.2 bar HP Flow 2.91 µL/min Method 100 SPD test Sample S1-81	\rightarrow	Time [min] 12.7 10.4 Remaining Time 2 h 7 min	1825265.10016	Run EVVSEP HP Pressure 293.4 bar HP Row 1.50 µL/min Method 100 SPD test Sample S1-A11	fin 100 SPD: Sample position S1-A1 (Slot1:1)	ו	Actual flow (µL/min) Setpoint [] Pump Speed (µL/min) Pump B Displacement (µL) Actual flow (µL/min)
		0.00 / 0.00				0.00 / 0.00	5		Setpoint []

j. To stop an acquisition, click "Stop" in the sample table and click "Stop All".



Evosep disclaimer applies, see Evosep Eno User Manual and User Guides for more detail UM-012A

