EVOSEP ENO

Software Installation Guide for Compass® HyStar

UM-005B

Contents

1 Software installation for Compass® HyStar

1.1 Introduction

This installation guide supports the installation of Evosep Eno driver when used with Bruker Compass® HyStar. Evosep is not affiliated with Bruker but offers an interface to enable integration.

Evosep is not responsible for the functionality, compatibility, or support of any third-party software. Integration with Compass HyStar is subject to Bruker's technical specifications, licensing terms, and software updates, which are outside of our control. It is the responsibility of the user or system administrator to ensure that all third-party requirements, configurations, and dependencies are met and remain supported.

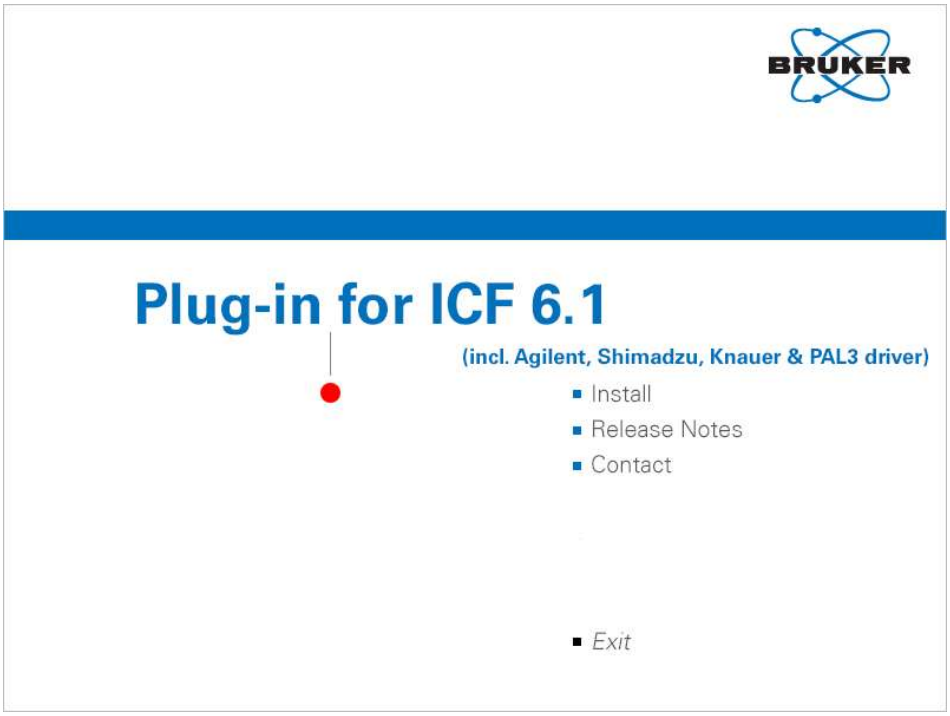
Evosep assumes no liability for issues arising from changes, limitations, or failures in third-party software, nor does it provide support for software components not supplied by us. The Bruker Compass HyStar manual is to be consulted for full computer requirements and instructions on Compass HyStar software. For use of Evosep Eno the Evosep Eno User Manual is to be consulted.

1.2 Installing ICF for Bruker Compass HyStar

Install the Plugin on a system with appropriate Compass HyStar software already installed.

1. Insert the Evosep USB dongle containing the ICF plugin for HyStar.
2. Goto EVOSEP ENO\Evosep Eno HyStar ICF Plugin and Navigate to "Bruker Plug-In for ICF 6.1.

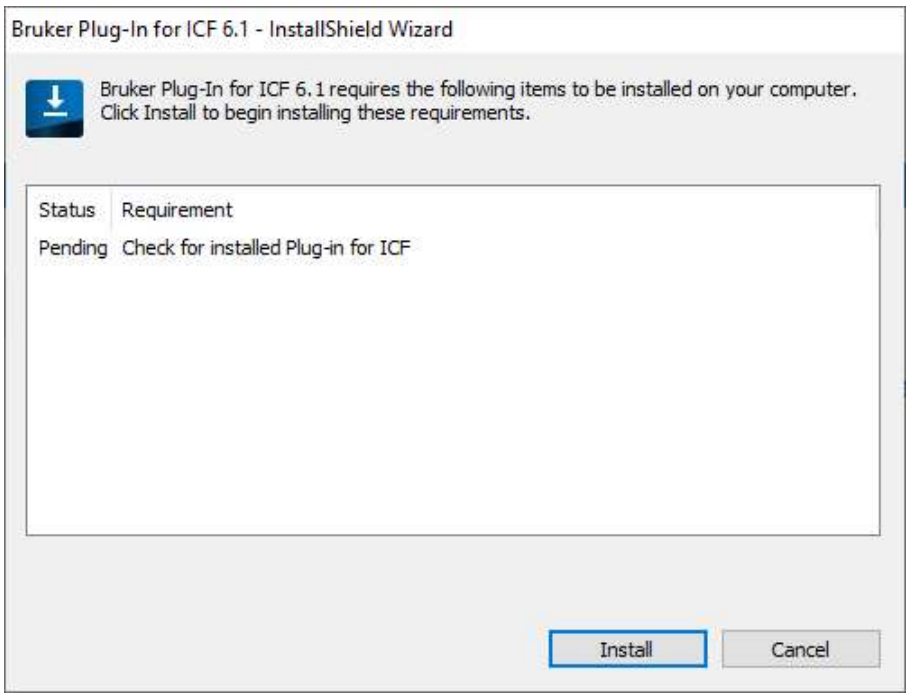
3. Run the “CD Start” application file and click “Install” to install the Plugin.



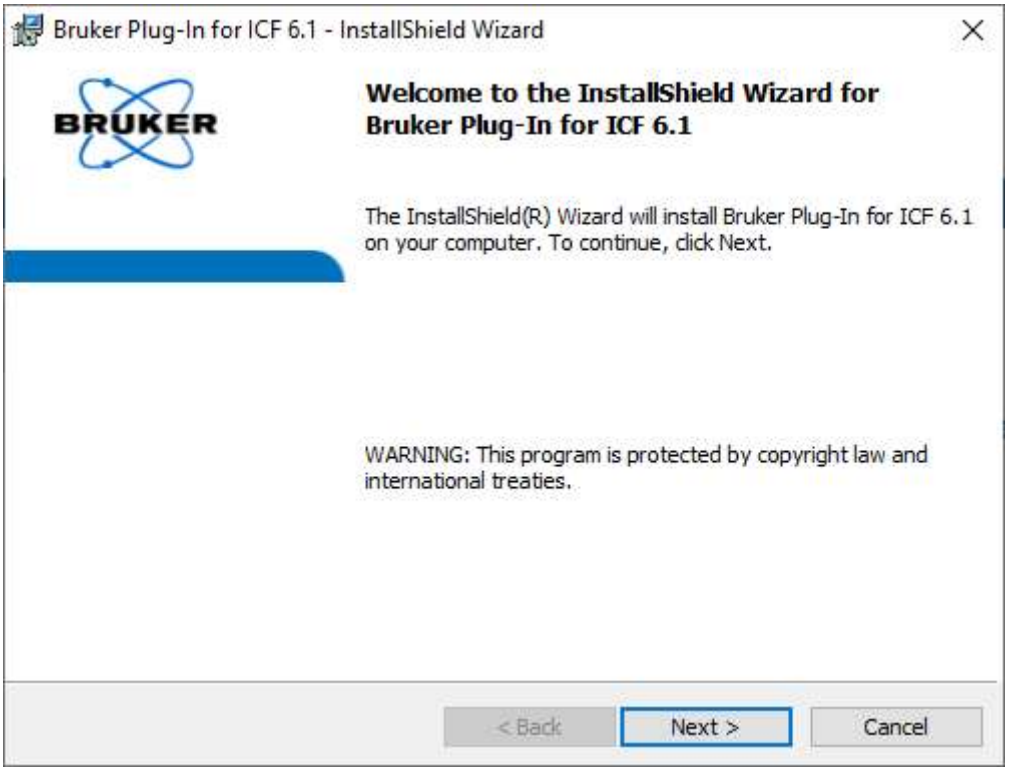
Important: If the installer stops during installation with following error message:

“The application requires .NET framework 3.5 SP1.
Please install the .NET Framework then run this installer again”

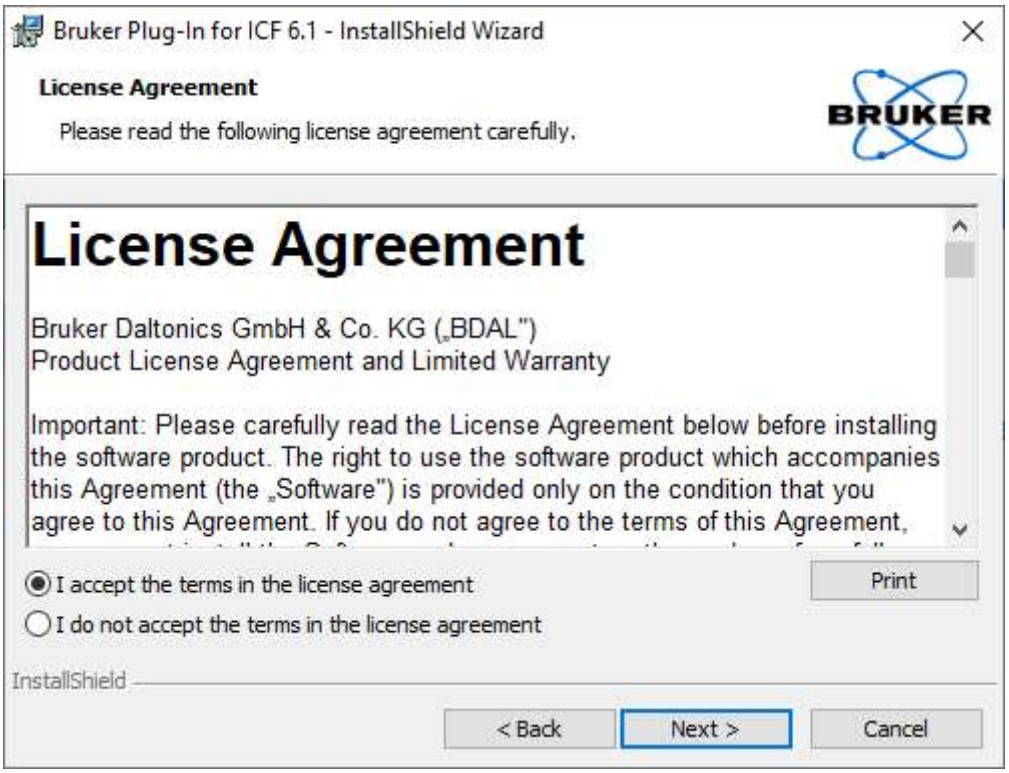
Please run the “Net Framework 3.5 offline installer Win_10.zip” installer found on the USB dongle in following folder EVOSEP ENO\Evosep Eno HyStar ICF Plugin\misc. And then run the ICF installer again.



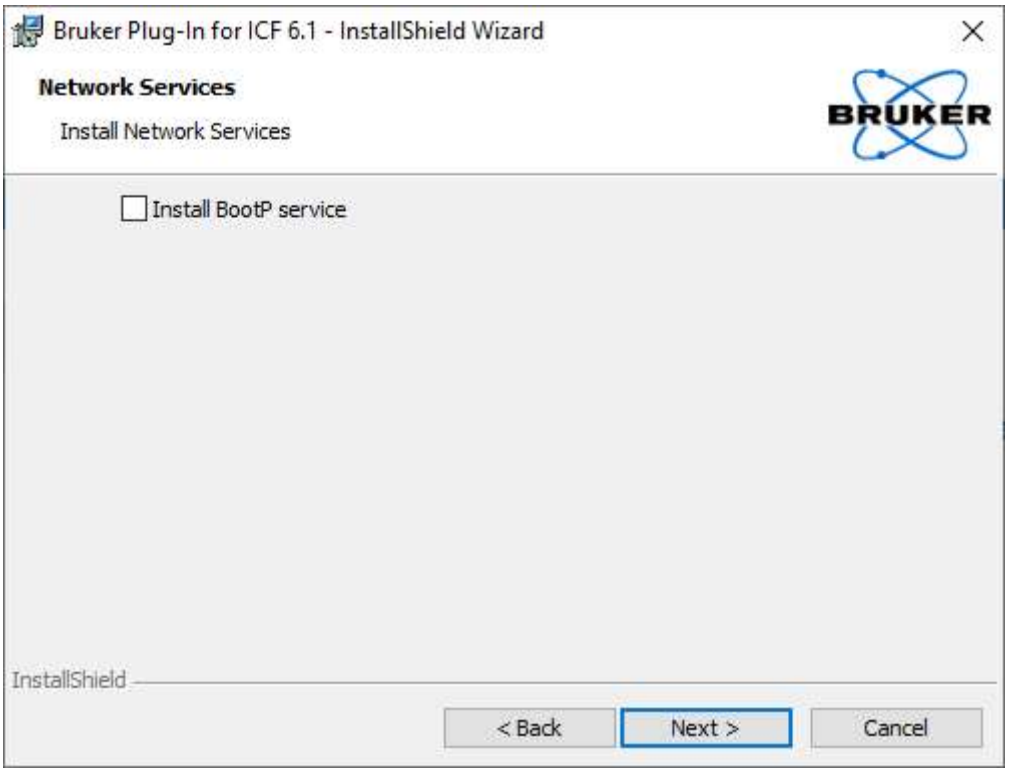
5. Click “Next on the welcome dialog.



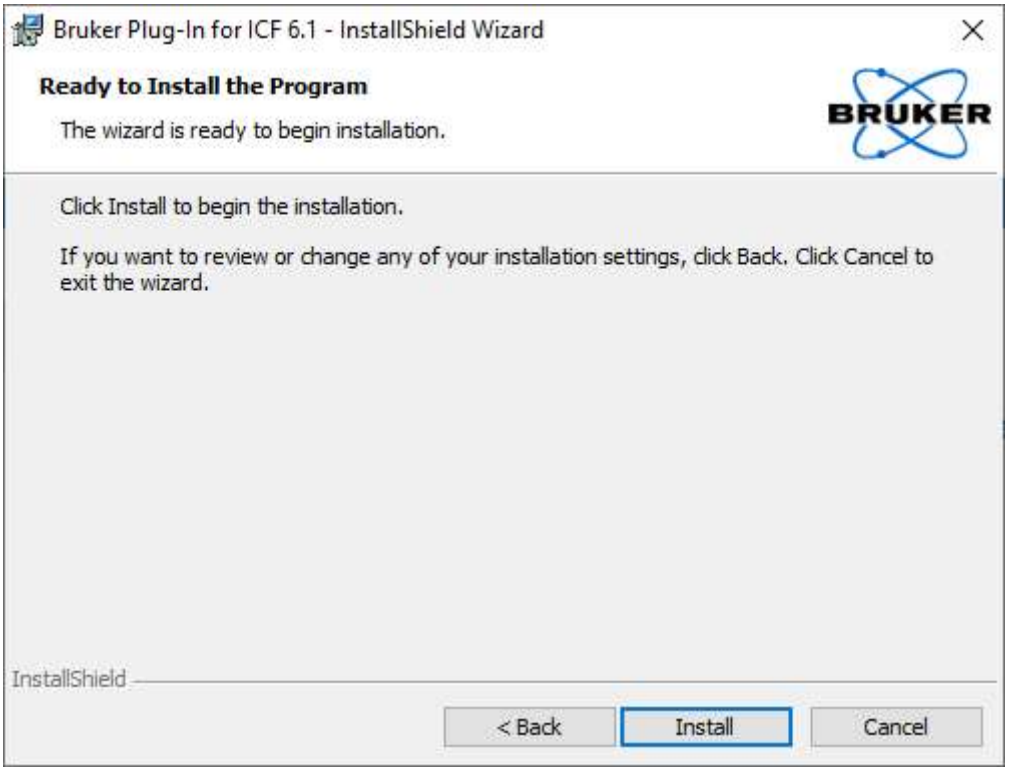
6. Accept the terms in the License Agreement and click “Next”.

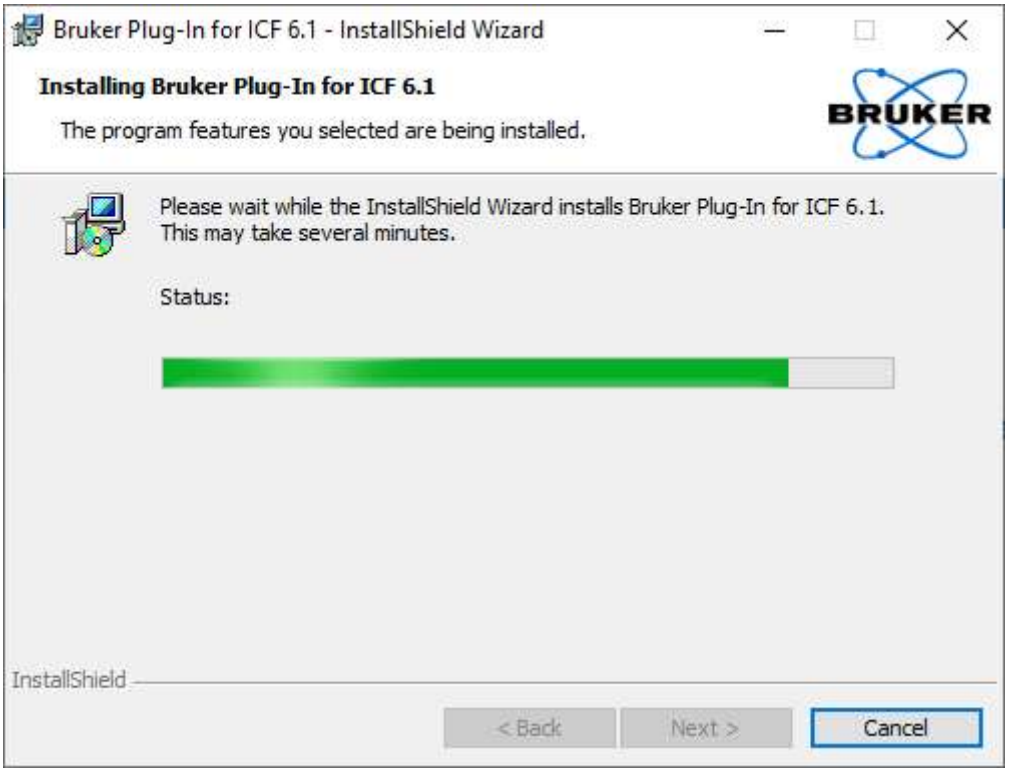


7. In the Network Services window, do **not** check mark the “Install BootP service”, just click “Next”.

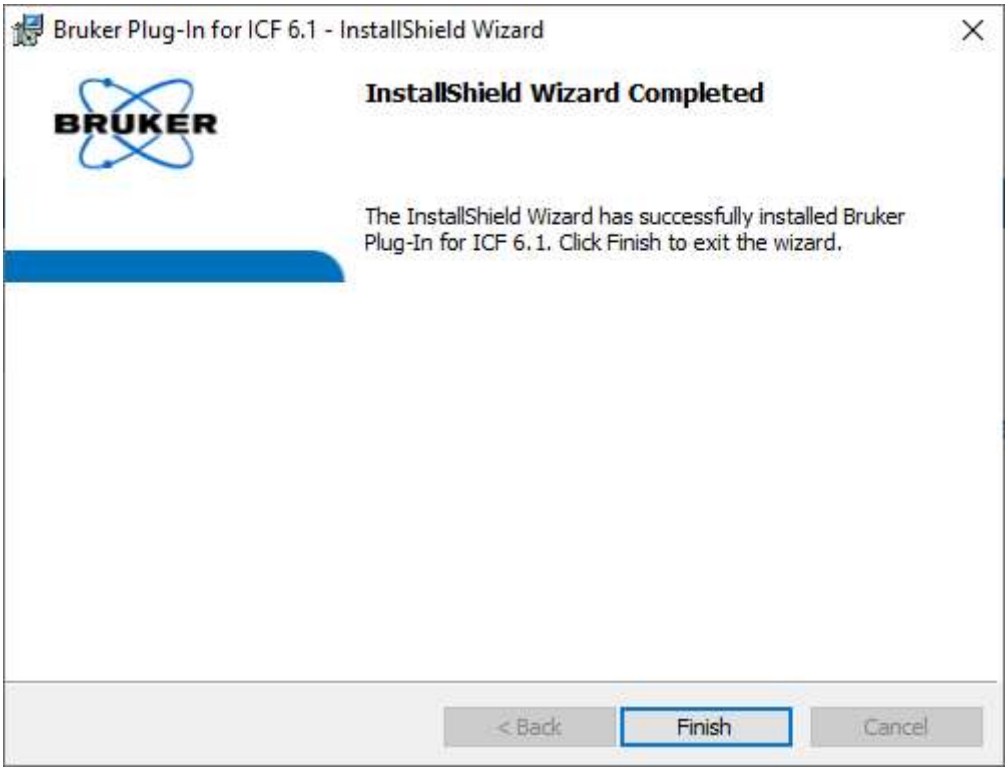


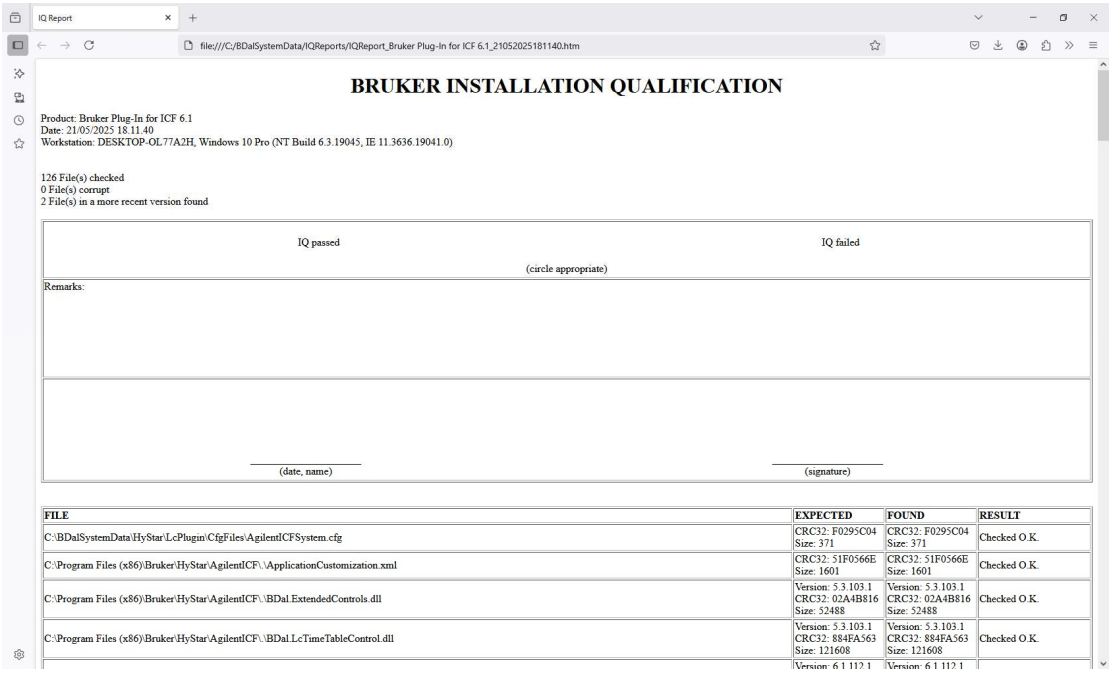
8. Now click “Install” to install the program.





9. Click “Finish” and in the Bruker installation qualification pop up window check that all parts of the install have been checked OK.





IQ Report

file:///C:/BDalSystemData/IQReports/IQReport_Bruker Plug-In for ICF 6.1_21052025181140.htm

BRUKER INSTALLATION QUALIFICATION

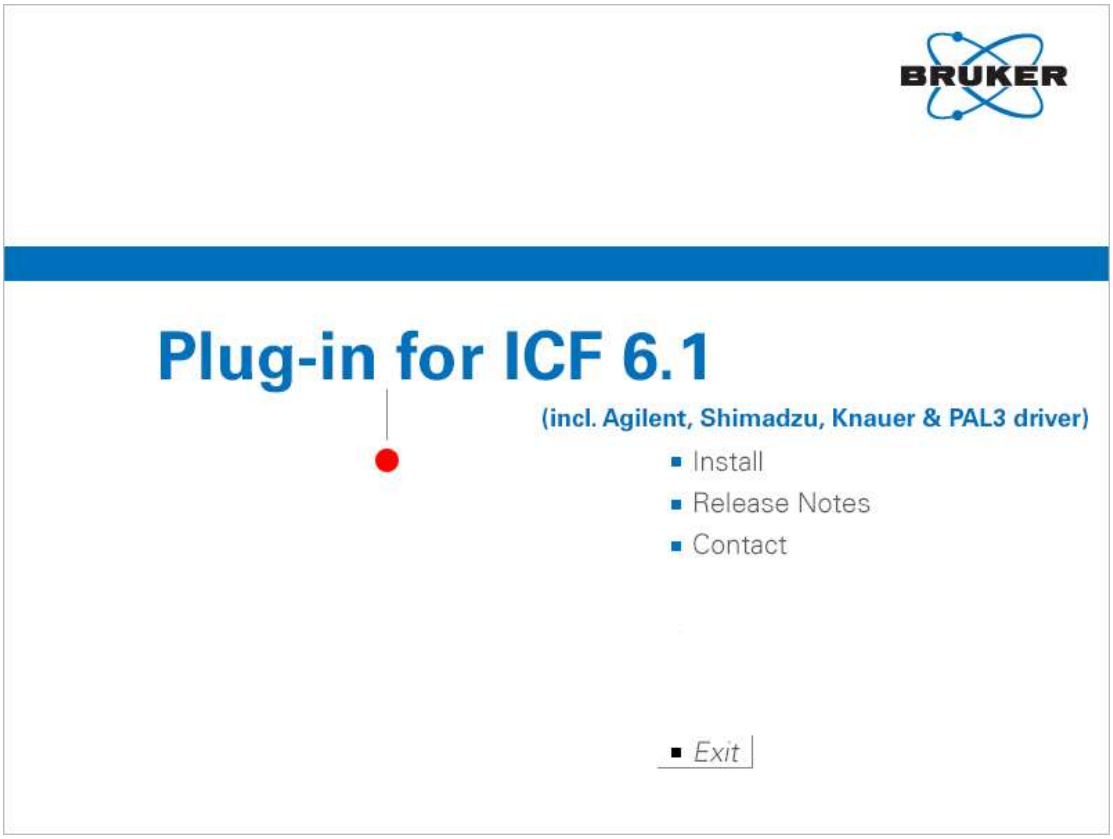
Product: Bruker Plug-In for ICF 6.1
Date: 21/05/2025 18.11.40
Workstation: DESKTOP-OL77A2H, Windows 10 Pro (NT Build 6.3.19045, IE 11.3636.19041.0)

126 File(s) checked
0 File(s) corrupt
2 File(s) in a more recent version found

IQ passed	IQ failed
(circle appropriate)	
Remarks:	
(date, name)	(signature)

FILE	EXPECTED	FOUND	RESULT
C:\BDalSystemData\HyStar\LcPlugin\CfgFiles\AgilentICFSystem.cfg	CRC32: F0295C04 Size: 371	CRC32: F0295C04 Size: 371	Checked O.K.
C:\Program Files (x86)\Bruker\HyStar\AgilentICF\.\ApplicationCustomization.xml	CRC32: 51F0566E Size: 1601	CRC32: 51F0566E Size: 1601	Checked O.K.
C:\Program Files (x86)\Bruker\HyStar\AgilentICF\.\BDal.ExtendedControls.dll	Version: 5.3.103.1 CRC32: 02A4B816 Size: 52488	Version: 5.3.103.1 CRC32: 02A4B816 Size: 52488	Checked O.K.
C:\Program Files (x86)\Bruker\HyStar\AgilentICF\.\BDal.LcTimeTableControl.dll	Version: 5.3.103.1 CRC32: 884FA563 Size: 121608	Version: 5.3.103.1 CRC32: 884FA563 Size: 121608	Checked O.K.
	Version: 6.1.112.1	Version: 6.1.112.1	

10. Finally click “Exit” to close the CD start menu.



1.3 Installing the Evosep Eno HyStar RC.Net driver

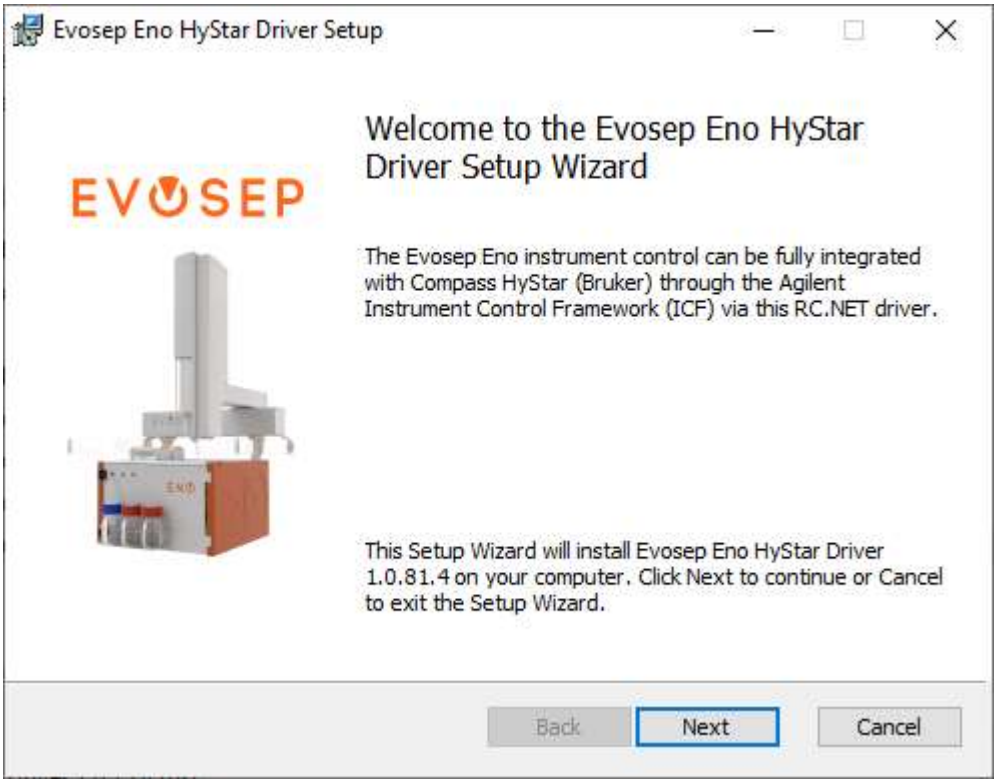
1.3.1 Prerequisites:

A. The ICF plugin for HyStar is already installed.
B. HyStar is not running.

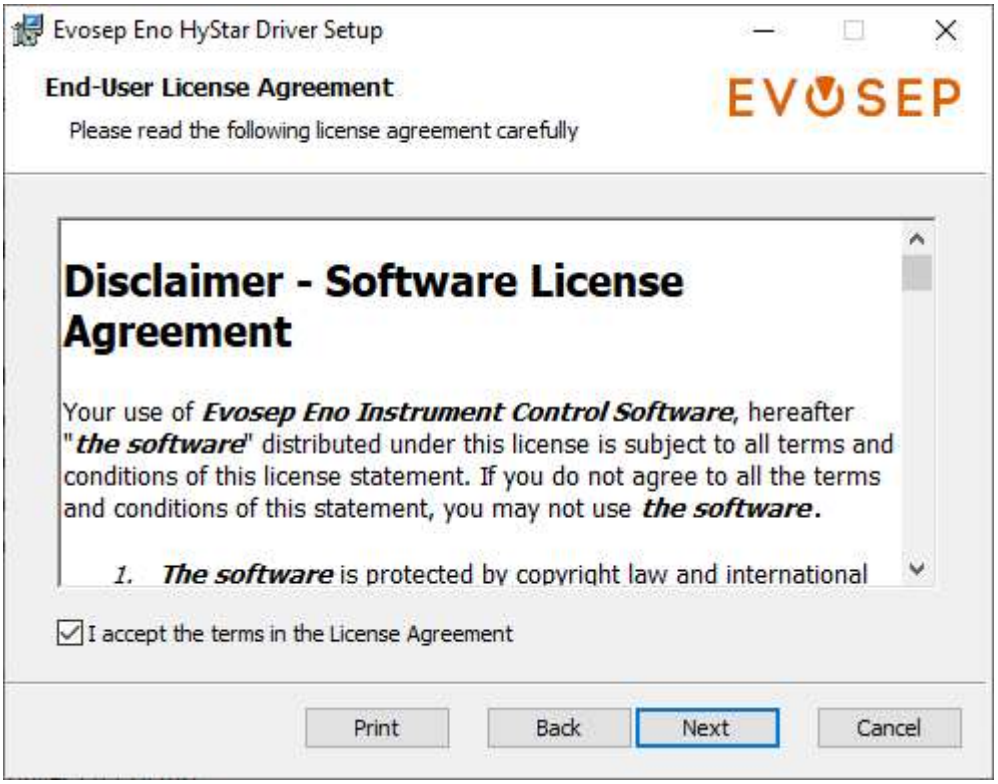
1.3.2 Installation procedure:

1. Connect the Evosep Eno instrument to the computer via ethernet cable. Note: Evosep Eno must be connected to the ethernet port with a static IP address.
2. Run the Evosep Eno HyStar Driver Windows installer.

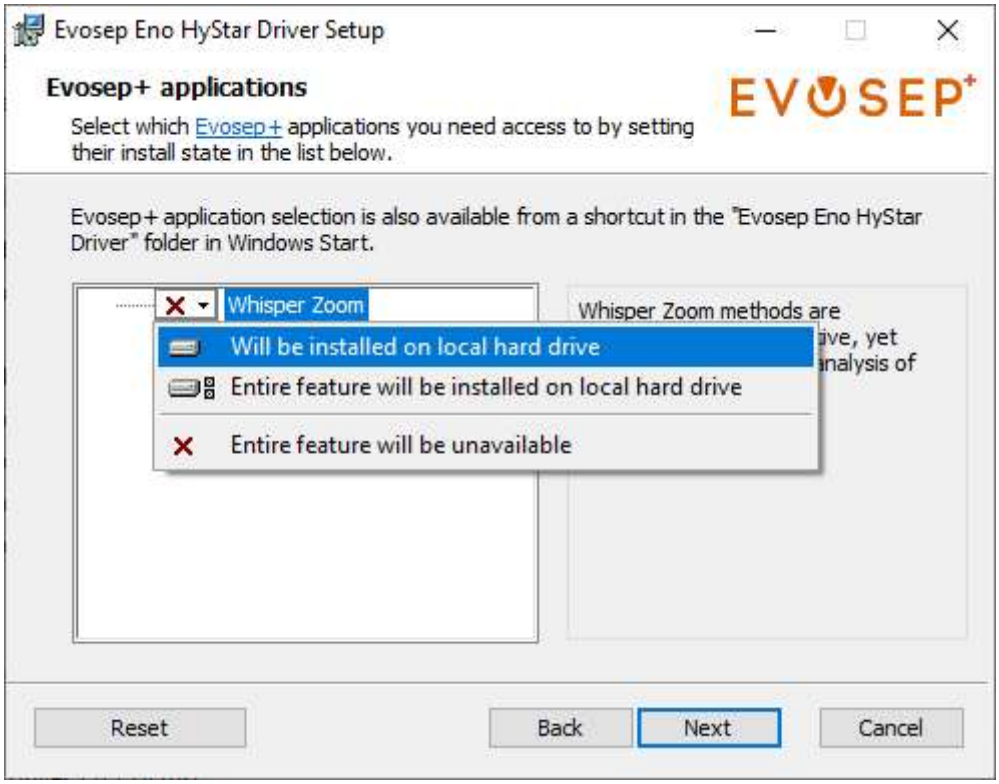
3. Click “Next”.



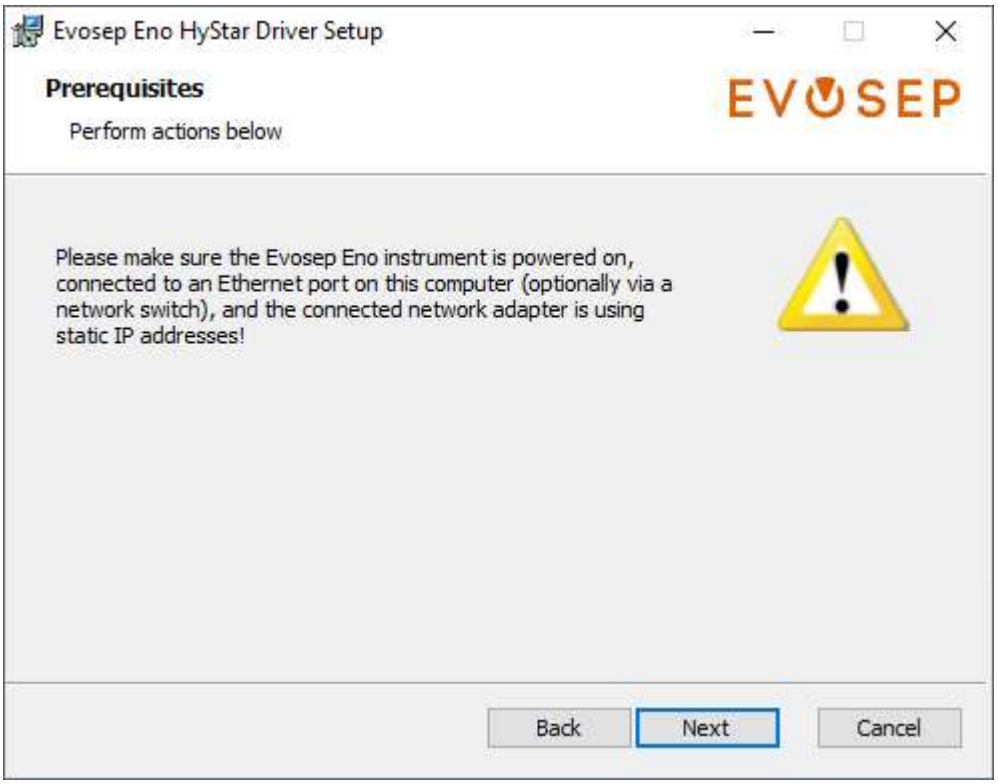
4. Tick the “I accept the terms in the License Agreement” checkbox and click “Next”.



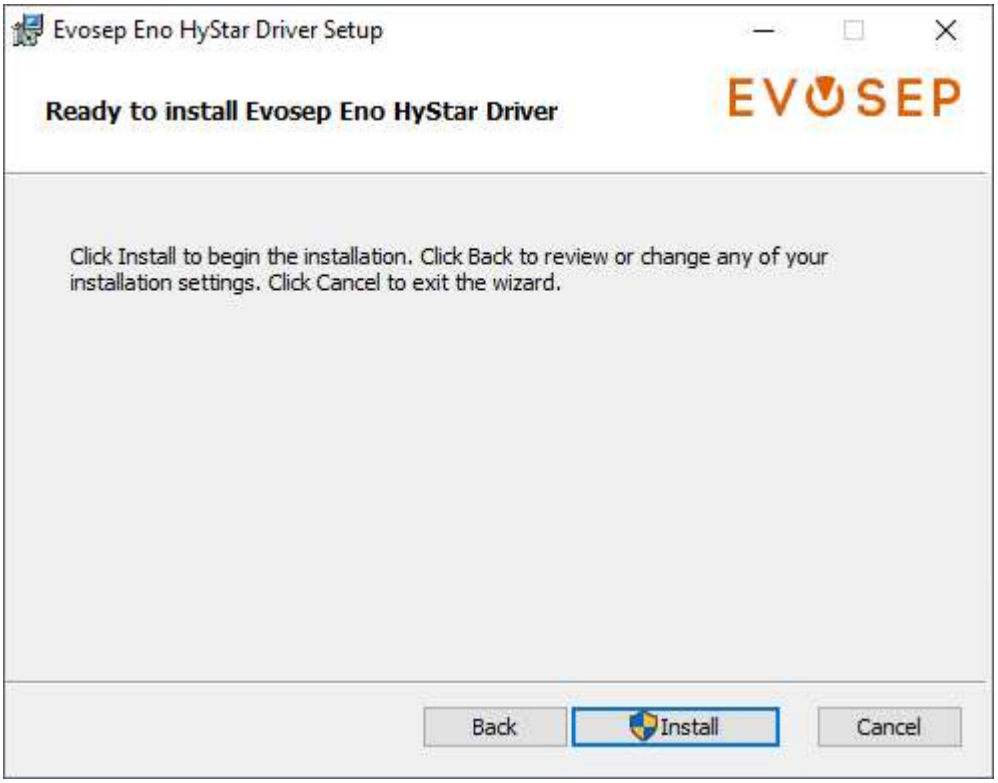
5. In the Evosep+ applications window, select to install any desired applications, then click “Next”.



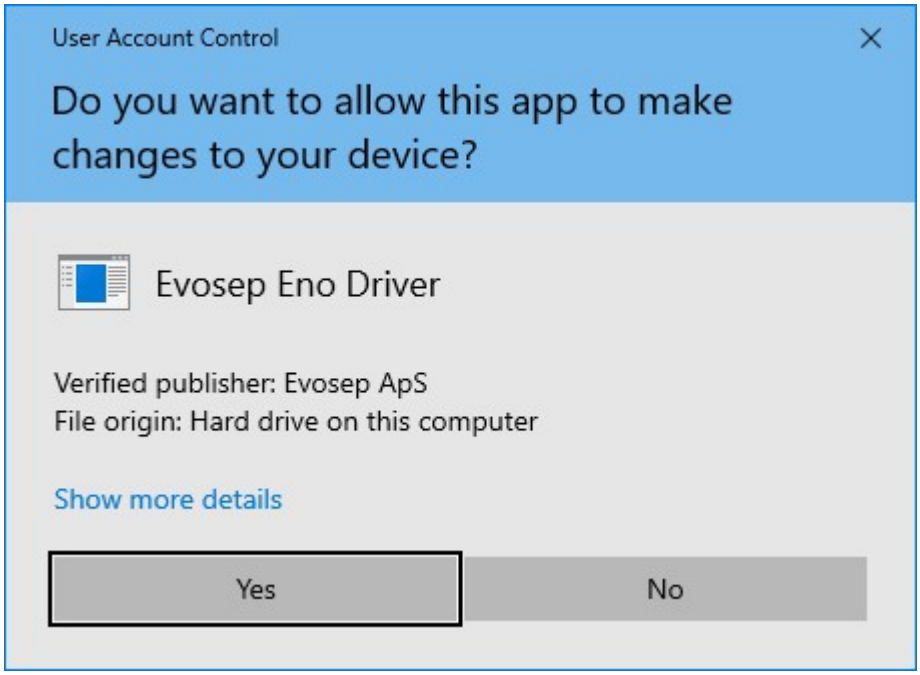
6. Please read the information in “Prerequisites” window carefully, then click “Next”.



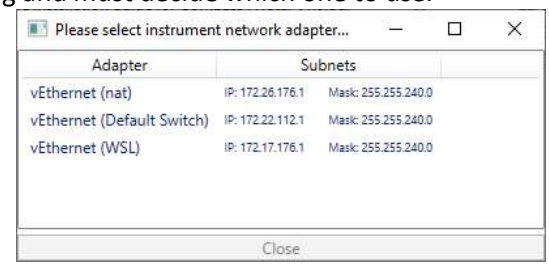
7. Click “Install” to begin the installation.



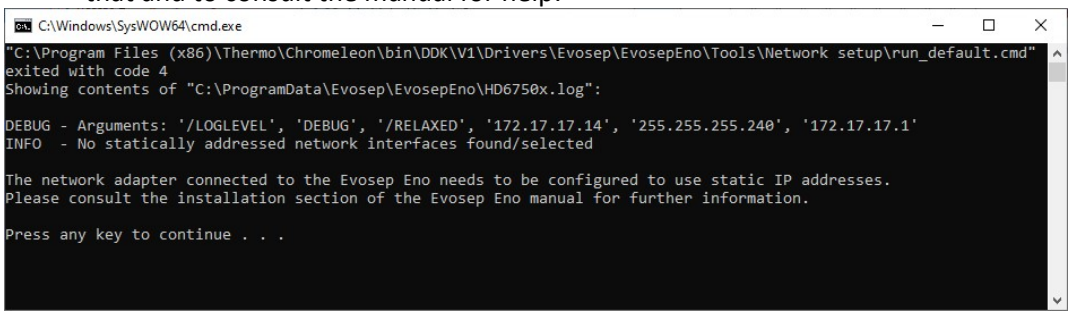
8. Click “Yes” on the Windows UAC screen, to allow the program to install the software.



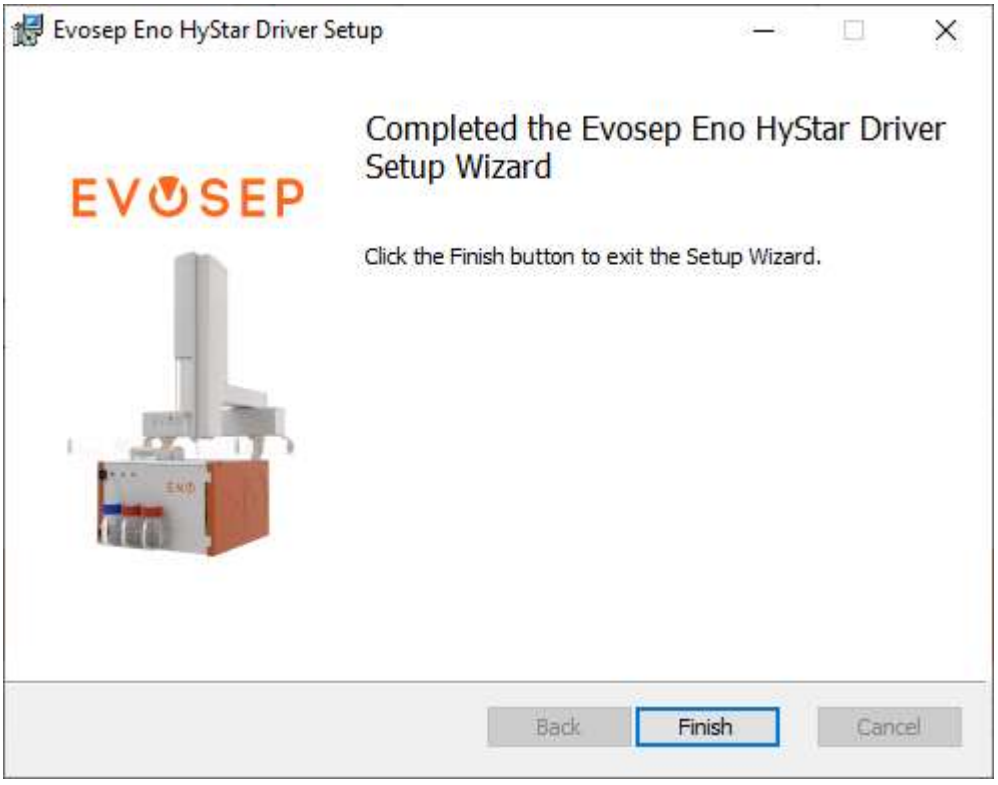
9. During installation, the computer's ethernet configuration is checked, and one of the three cases below will occur:
    a. If a single statically configured ethernet adapter exists, the required Evosep Eno configuration is added to that.
    b. If multiple statically configured ethernet adapters exist, the user is presented with a selection dialog and must decide which one to use:



    c. If no statically configured ethernet adapters exist, a cmd window will be displayed, stating that and to consult the manual for help:



10. When the install is completed click "Finish", to exit the installer.

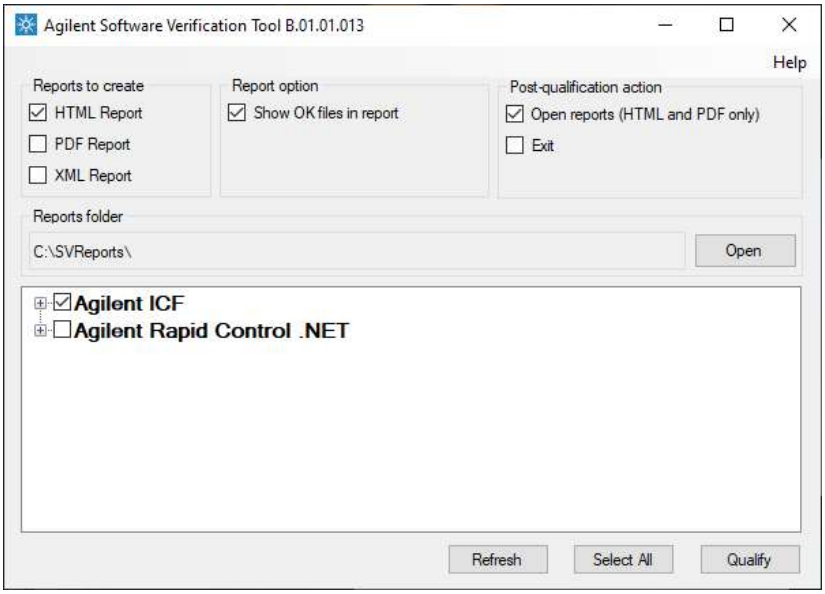


1.3.3 Installation qualification

The Evosep driver registers a manifest with Agilent SVT (Software Verification Tool), containing information about the included files and their exact versions and/or checksums. To verify the driver installation with regards to the correct files being present in the file system, only a few steps are necessary.

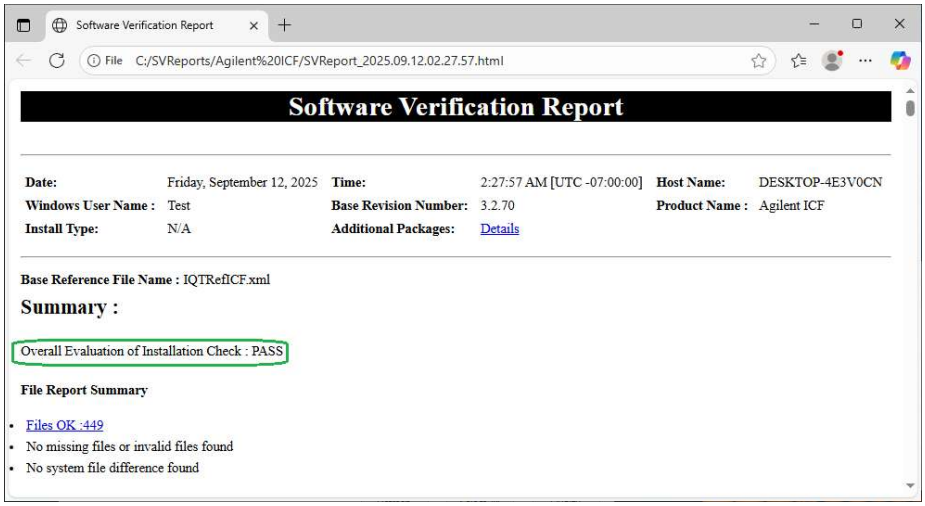
1. Launch the Software Verification Tool from Windows' Start menu

2. Check "Agilent ICF" and click Qualify (you may adjust desired report format first)



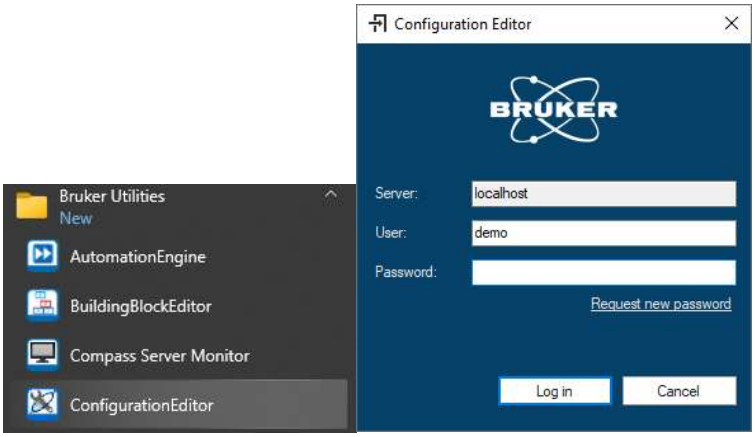
NOTE: If you make changes to the system, make sure to click Refresh and select Agilent ICF again before re-qualifying!

3. Verify the overall result, or if needed the details of the installation below

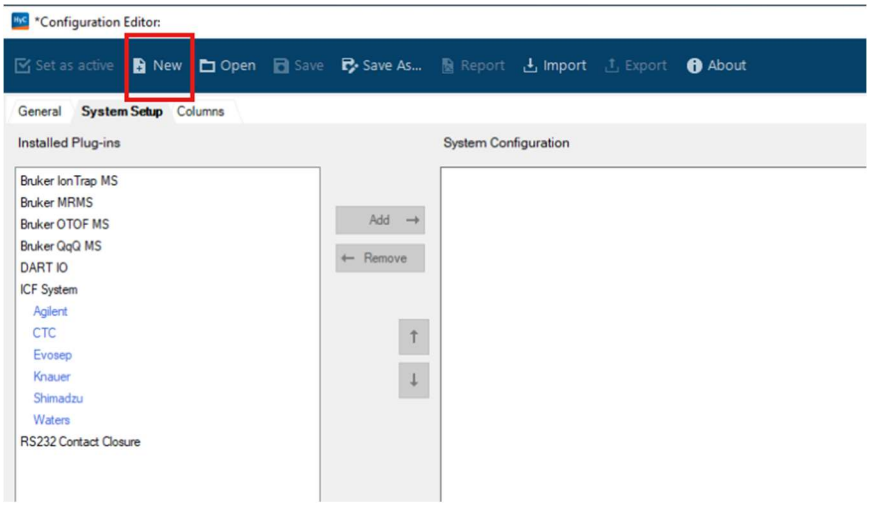


1.4 Create HyStar ICF configuration for Evosep Eno

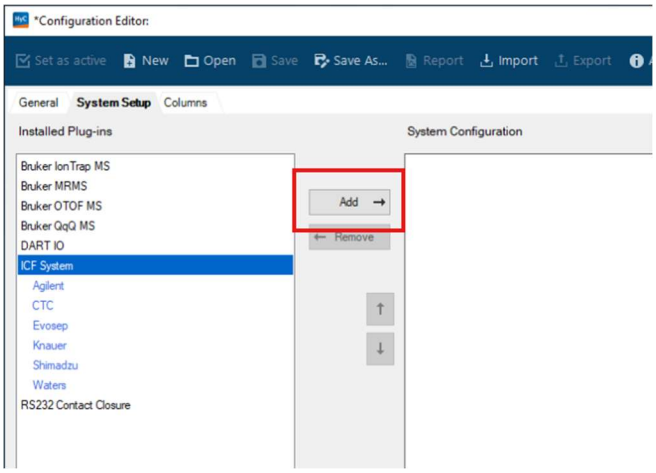
4. Open Bruker ConfigurationEditor from the Windows Start Menu and log in.



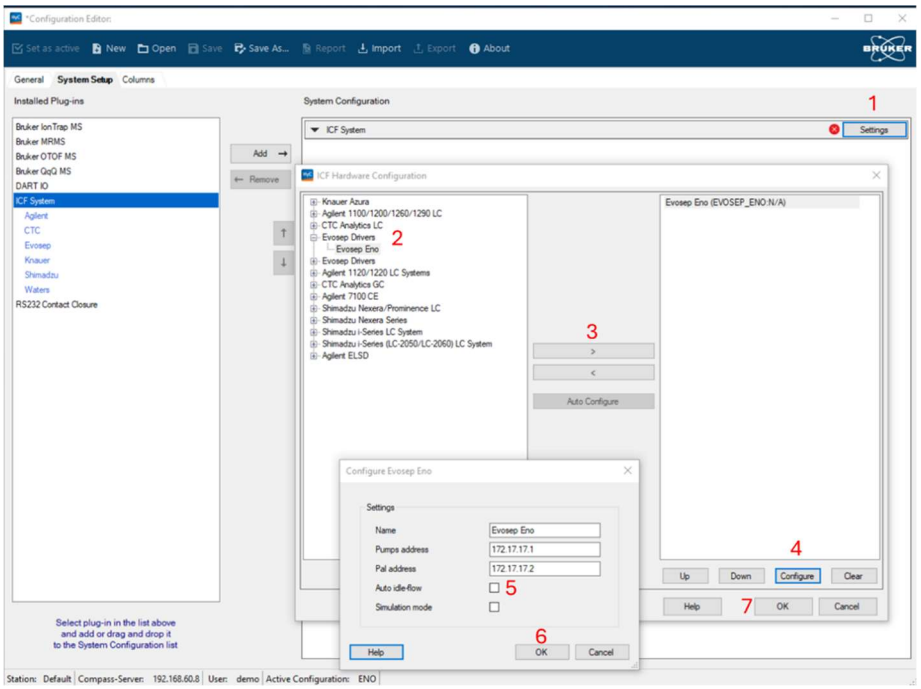
5. In the configuration Editor window click “New” to create a new configuration.



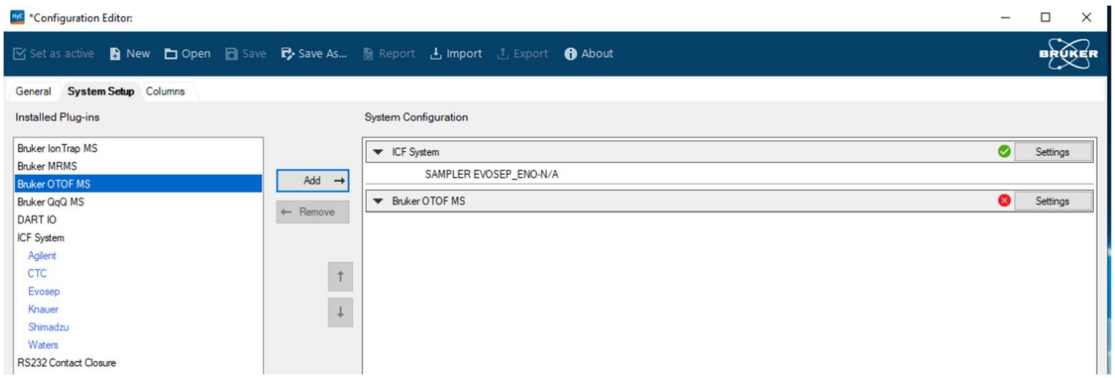
6. Mark “Agilent ICF System” and click “add”.



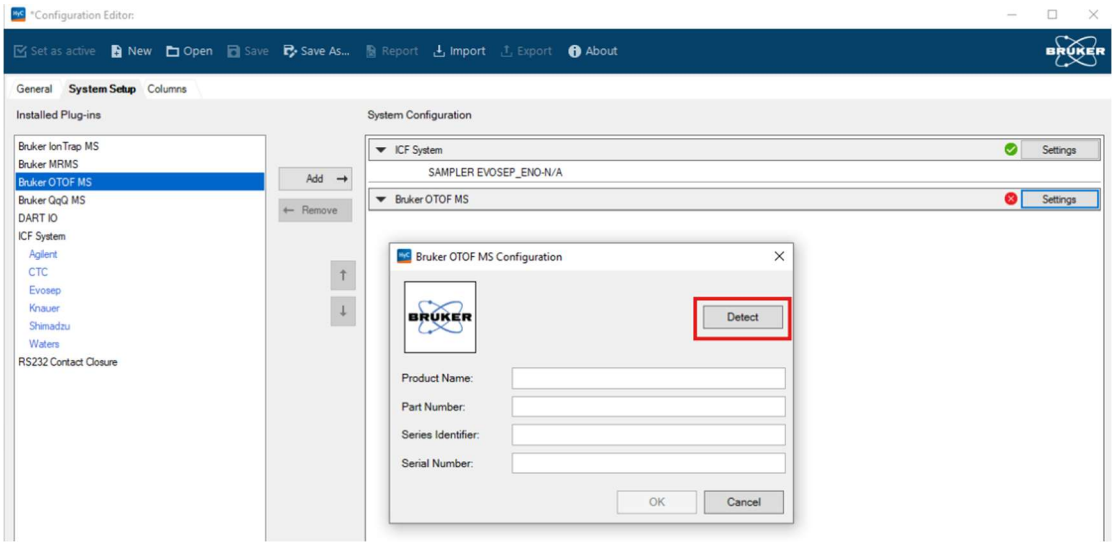
7. Click 1. “Settings”, 2. Mark “Evosep Drivers”, 3. Click the “>” button, 4. Click “Configure”, 5. Check “Auto Idle-flow” if needed, 6. Click “OK” and finally 7. click “OK” in the ICF hardware configuration Dialog.

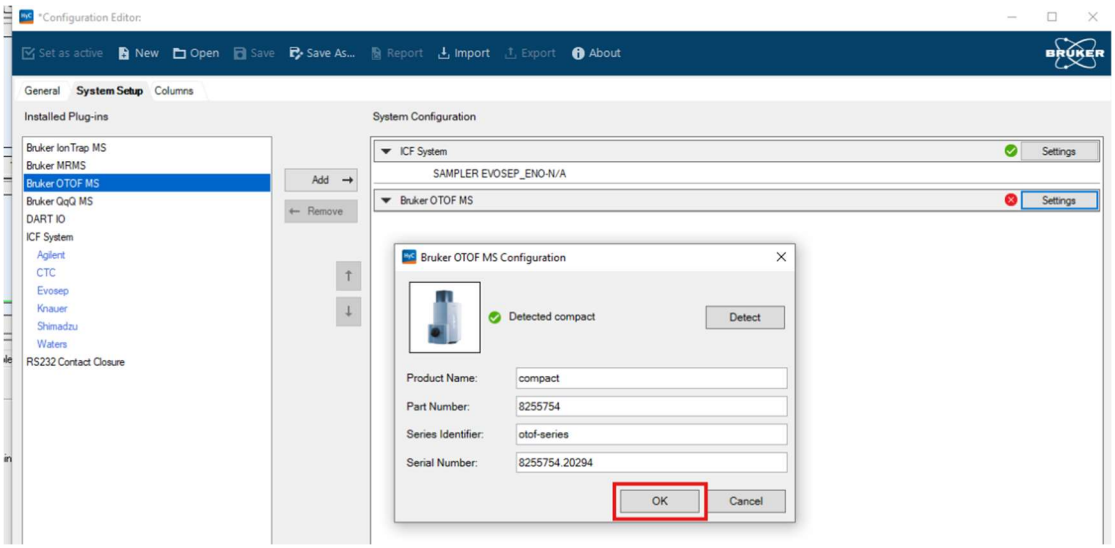


8. In the Configuration Editor mark the MS model being used then click “add” and then click “Settings” for the newly added MS.

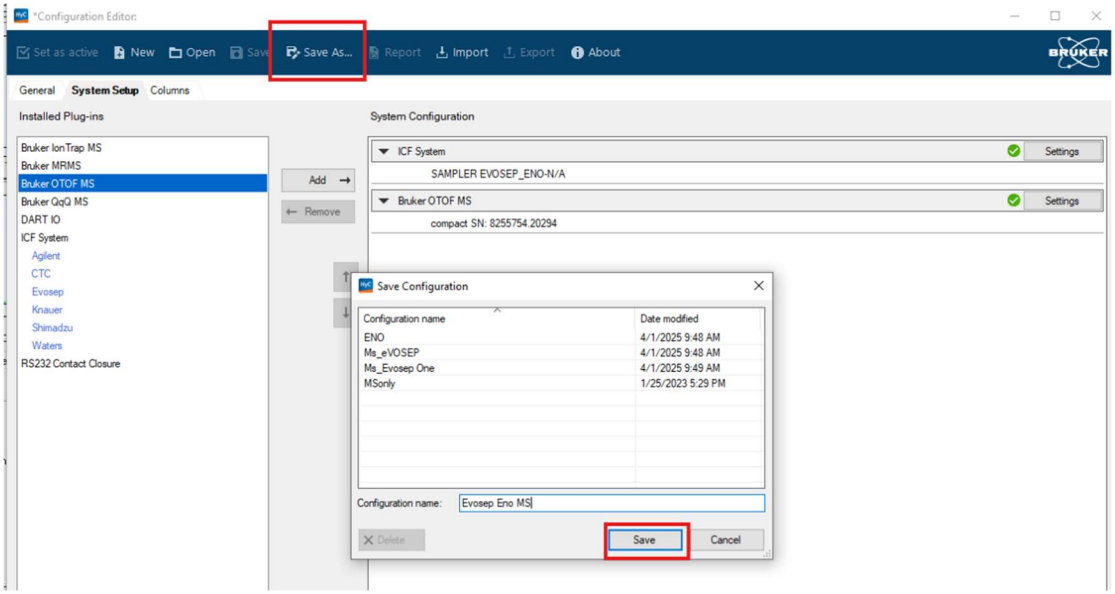


9. Click the auto detect button and verify that the MS is being detected and then click “OK”.

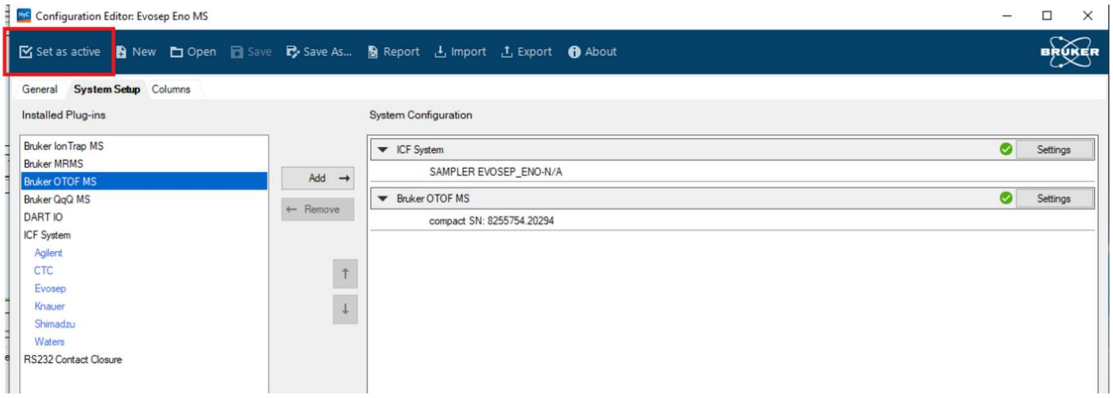




10. Click “Save As…” and give the configuration a name e.g. “Evosep Eno MS model” then click “OK”.

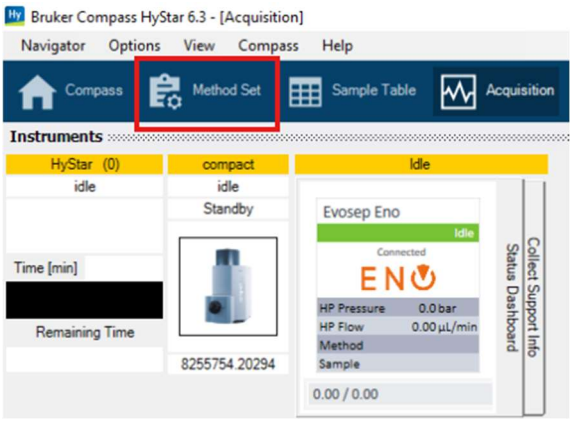


11. Click “Set to active” to use the Evosep Eno configuration, click close and click “OK” to restart HyStar.

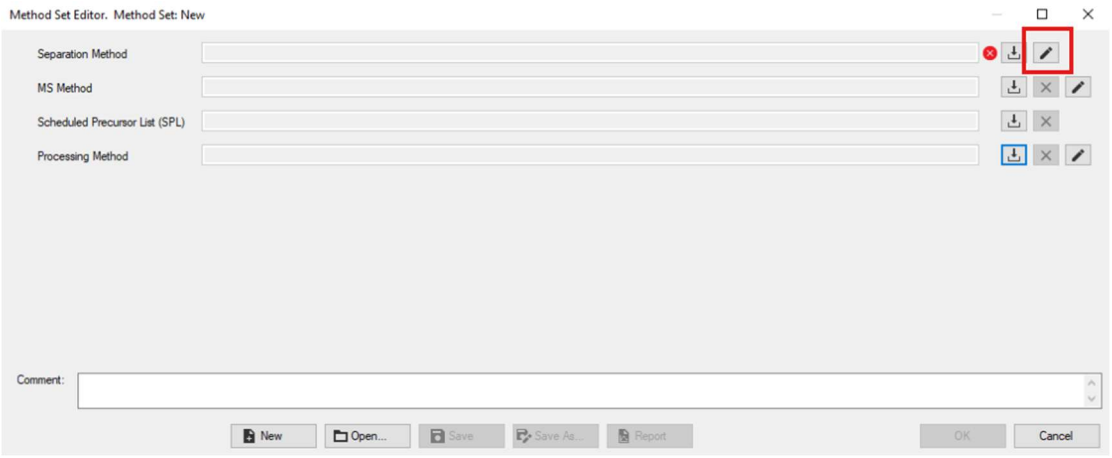


1.5 Create Evosep Method Set

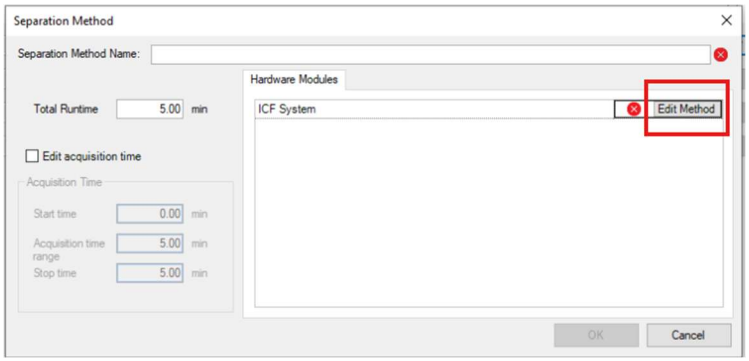
1. When HyStar has restarted create Evosep Eno separation method by clicking “Method Set.

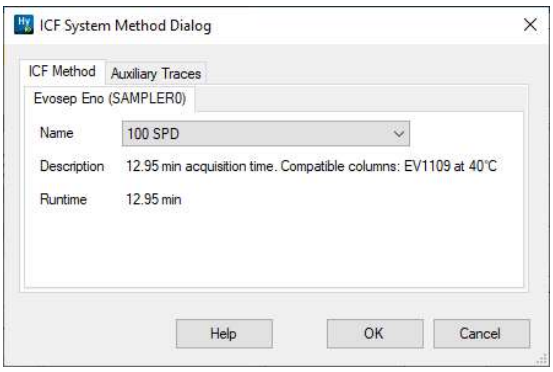


2. Click the small pencil to edit the Separation method.



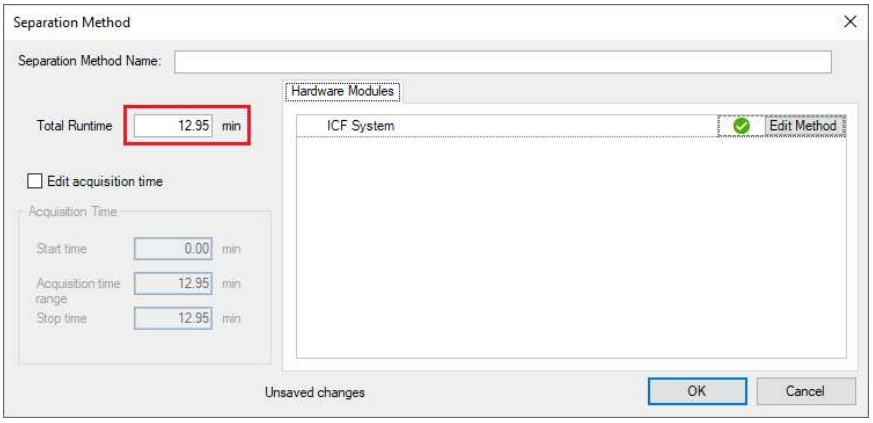
3. Click “Edit Method” and choose one of the predefined Evosep methods, e.g. “100 samples per day”. Please note the Runtime for the chosen method name in the ICF System Method dialog.



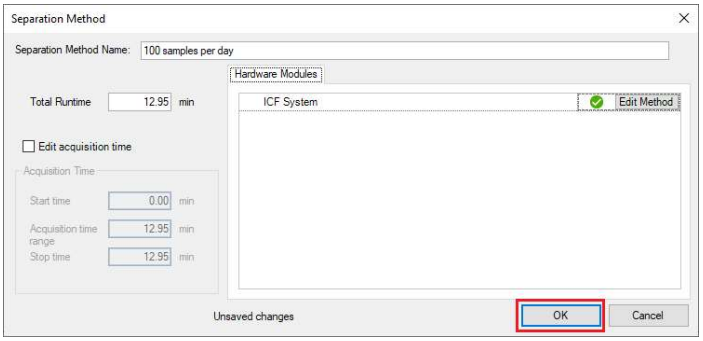


4. Now check/set the Total Runtime for the chosen method using below table and/or Runtime from above dialog. Below example is given for the 100 samples per day method.

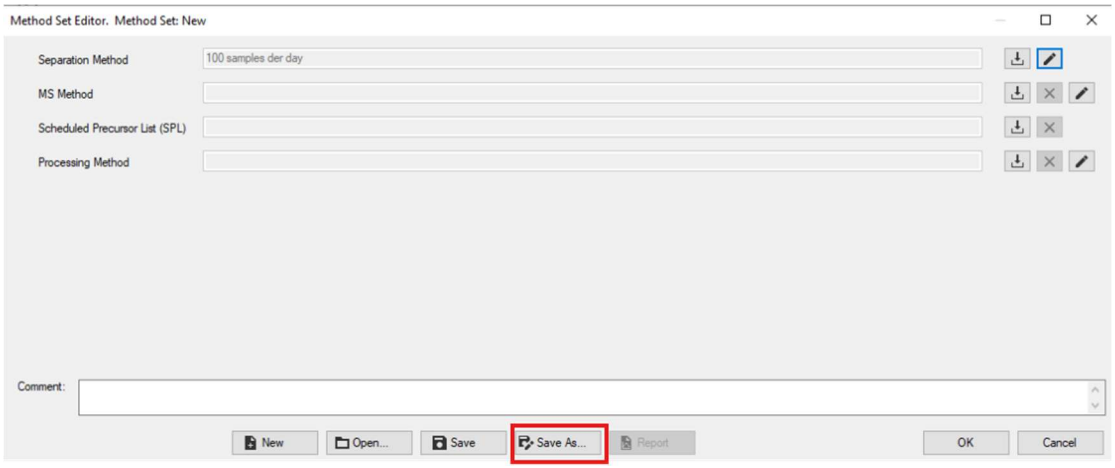
Throughput	Cycle time	Gradient length	Flow rate	Temperature	Column Part Number/Details
Samples/day	Minutes	Minutes	µl/min	°C	Evosep P/N
500	2.9	2.3	4.0	40	EV1182
300	4.8	3.95	4.0	40	EV1182
200	7.2	6.4	2.0	40	EV1182
100	14.4	12.95	1.0	40	EV1109
60	24.0	22.4	0.6	40	EV1109
30	48.0	45.4	0.45	40	EV1137
W120	12.0	10.5	0.2	50	IonOpticks Aurora Rapid 5 x 75 µm
W80	18.0	16.3	0.2	50	IonOpticks Aurora Rapid 5 x 75 µm
W40	36.0	32.8	0.2	50	IonOpticks Aurora Elite 15 x 75 µm
W20	72.0	68.6	0.2	50	IonOpticks Aurora Elite 15 x 75 µm



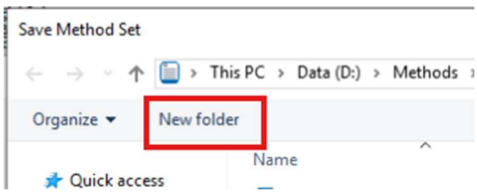
5. Give the Separation Method the same name as chosen in the ICF System Method Dialog, e.g. “100 samples per day” and click “OK”.



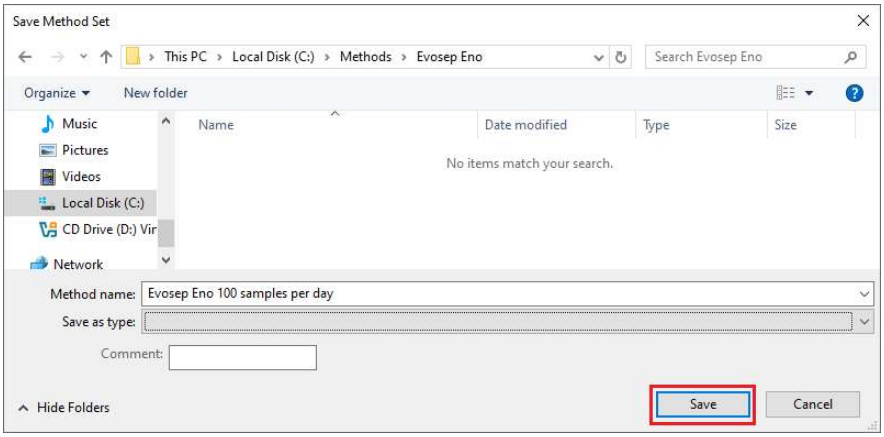
6. In the Method Set Editor window click Save as.



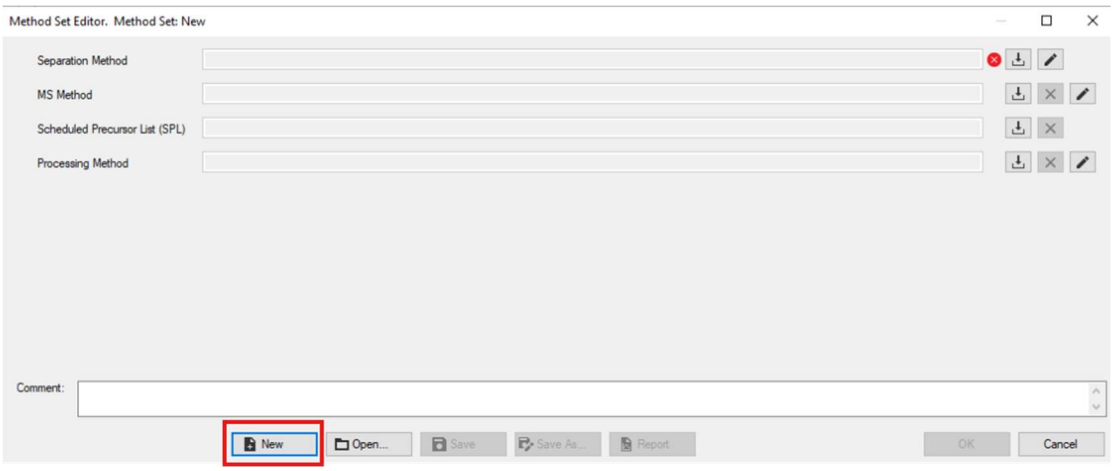
7. Click “New Folder” and create a subfolder called “Evosep Eno” in the “Methods” folder.



8. In the Evosep Eno folder save the Method Set as “Evosep Eno 100 samples per day” for the 100 samples per day separation method, “Evosep Eno 60 samples per day” for the 60 samples per day separation method etc.



9. When Method set has been saved, click new in the method set editor window.



10. Go back to step #2 of the "Create Evosep Method Set" section in this guide and create separation methods and Method Sets for the remaining methods:
    a. 30 samples per day
        - Total Runtime = 45.40 min
        - Separation method name = 30 samples per day
        - Method Set = Evosep Eno 30 samples per day
    b. 60 samples per day
        - Total Runtime = 22.40 min
        - Separation method name = 60 samples per day
        - Method Set = Evosep Eno 60 samples per day
    c. 100 samples per day
        - Total Runtime = 12.95 min
        - Separation method name = 100 samples per day
        - Method Set = Evosep Eno 100 samples per day
    d. 200 samples per day
        - Total Runtime = 6.40 min
        - Separation method name = 200 samples per day
        - Method Set = Evosep Eno 200 samples per day
    e. 300 samples per day

- Total Runtime = 3.95 min
- Separation method name = 300 samples per day
- Method Set = Evosep Eno 300 samples per day

f. 500 samples per day
   i. Total Runtime = 2.30 min
   ii. Separation method name = 500 samples per day
   iii. Method Set = Evosep Eno 500 samples per day

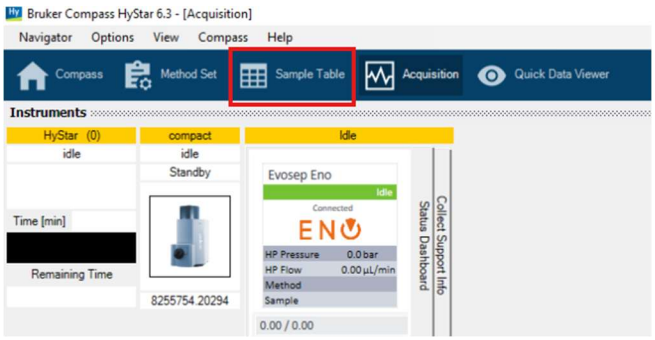
g. System and column wash
   - Total Runtime = “1.00” min*
   - Separation method name = System and column wash
   - Method Set = Evosep Eno system and column wash.

*Please note that the duration of the System and column wash method is column dependent (approximately 5 min) but that there is no need for collecting data during the wash, hence the method is set to Runtime = 1.00 min.

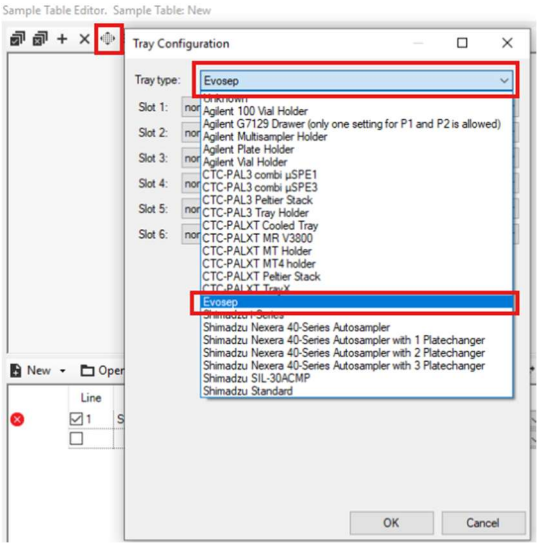
Evosep Specialized Methods can be created in the same way. See the Evosep Eno Advanced User Guide for specialized method details.

1.6 Create Evosep Eno Tray Type and Sample Table

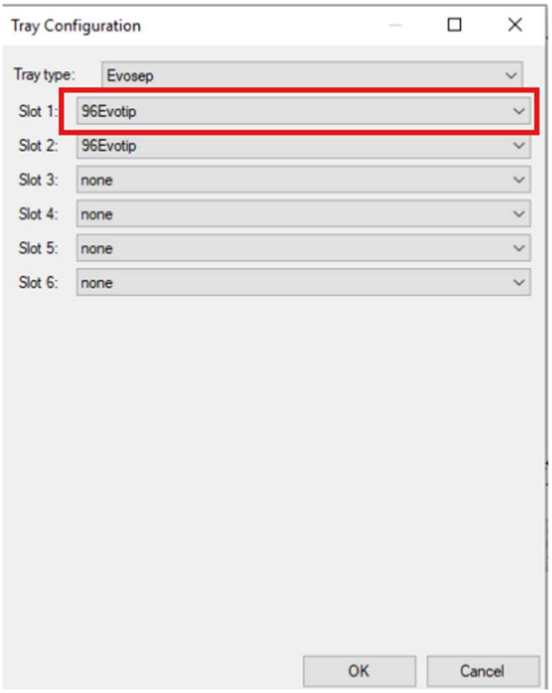
1. Create the Evosep Eno tray type by clicking “Sample Table”



2. Configure the sample tray and choose “Evosep” as tray type


Sample Table Editor. Sample Table: New
Tray Configuration
Tray type:
Evosep
Slot 1:
Slot 2:
Slot 3:
Slot 4:
Slot 5:
Slot 6:
Agilent 100 Vial Holder
Agilent G7129 Drawer (only one setting for P1 and P2 is allowed)
Agilent Multisampler Holder
Agilent Plate Holder
Agilent Vial Holder
CTC-PAL3 combi µSPE1
CTC-PAL3 combi µSPE3
CTC-PAL3 Peltier Stack
CTC-PAL3 Tray Holder
CTC-PALXT Cooled Tray
CTC-PALXT MR V3800
CTC-PALXT MT Holder
CTC-PALXT MT4 holder
CTC-PALXT Peltier Stack
Evosep
Shimadzu Nexera 40-Series Autosampler
Shimadzu Nexera 40-Series Autosampler with 1 Platechanger
Shimadzu Nexera 40-Series Autosampler with 2 Platechanger
Shimadzu Nexera 40-Series Autosampler with 3 Platechanger
Shimadzu SIL-30ACMP
Shimadzu Standard
OK
Cancel
New
Line

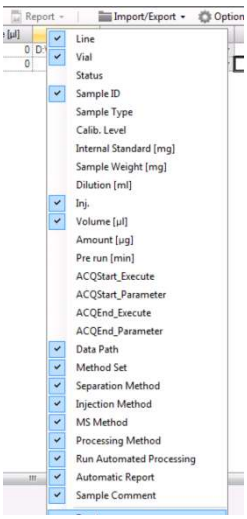
3. Choose the 96Evotip format for Slot 1-6

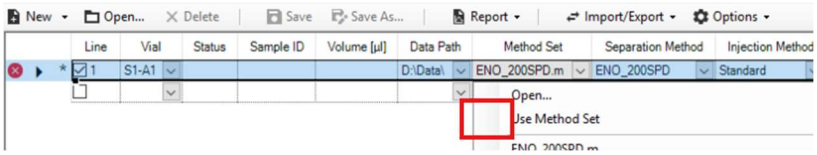


4. In the sample table line 1 set following:

    a. Vial: S1-A1
    b. Sample ID: test
    c. Method Set: Click the small arrow and uncheck the “Use Method Set”
    d. Separation Method: choose Evosep 100 samples per day.

Note: If the column “Separation Method” and “Injection Method” is not present in the table and cannot be found in the list of names shown by right clicking the table column names. Then choose “reset” in the list column names.





5. Now click Save As… and set name as “Evosep Eno Sample table” and then click ok to save the sample table.

6. Click close to close the Sample table editor window.