

Title	<b>PurityChrom® MCC Plus Release Notes</b>			Page	1 von 4
Version:	1.0	Author:	Due	Date:	19.07.2021

**Table of Content:**

**1. Supported Instruments** .....2

- Pumps
- Detectors (control and digital data acquisition)
- Interfaces
- Autosamplers
- Valves
- Fraction Collectors
- Column ovens

**2. Installation** .....3

- System Requirements
- Operating Systems
- Language Selection
- Installation under Windows
- Energy Saving Features

**3. Release History** .....4

Title	<b>PurityChrom® MCC Plus Release Notes</b>			Page	2 von 4
Version:	1.0	Author:	Due	Date	19.07.2021

## 1. Supported Instruments

### Pumps

- AZURA Pumps P 4.1S
- BlueShadow Pumps 80P
- Any pump with analog flow rate control (voltage or frequency) via SCPA Multcom Interface
- more pumps available on demand

### Detectors (control and digital data acquisition)

- AZURA UV-Detector UVD 2.1S
- AZURA UV-Detector UV MWD 2.1L (4 channels, up to 50 Hz)
- AZURA Conductivity Detector CM 2.1S
- more detectors available on demand

### Valves

- any KNAUER Valve Drives (AZURA)
- more Valves available on demand
- Manual injection valves **cannot** be used to start a pump located in an ASM 2.1L

### Fraction Collectors

- ISCO Foxy R1
- ISCO Foxy R2
- more fraction collectors available on demand

### Interfaces

- SCPA Ethernet Event Box 12 channels
- more devices available on demand

### Flowmeter

- Bronkhorst Mini Cori-Flow M12, M13, M14

### Assistant

- ASM 2.2L (*ASM is not supported as a device; the included modules can be controlled as separate devices via IP port; only one valve as fraction collector*)

Title	<b>PurityChrom® MCC Plus Release Notes</b>			Page	3 von 4
Version:	1.0	Author:	Due	Date:	19.07.2021

## 2. Installation Requirements

<b>Operating Systems</b>	Windows XP Windows Vista Windows 7 Windows 8 Windows 10 Only English and German as operating system languages are tested and supported.
<b>CPU/Memory</b>	Pentium III or higher with at least 1 GHz at least 512 MB RAM (Windows XP) and 2 GB (Windows Vista and higher)
<b>Network</b>	A second network card is required for network integration
<b>Graphics</b>	Screen with minimal resolution 1024 x 768
<b>Connectors and Slots</b>	USB for license dongle COM, USB, or LAN according to connected instruments

### Language Selection

PurityChrom MCC Plus is available in English and German. Some Error messages and notifications may be displayed in English regardless of the language selection.

### Installation and use under Windows:

Installation of PurityChrom MCC Plus in directories under C:\Windows\Program Files (or C:\Windows\Programme) is NOT recommended as write access may be limited by the windows user administration in these directories. Please use installation paths like C:\PurityChrom-MCC-Plus or D:\PurityChrom-MCC-Plus.

Administrator rights are necessary during the installation of PurityChrom MCC Plus and the Windows User Account Control settings should be set to "Never notify" to deactivate the User Account Control. It may be re-activated after the installation.

The user needs write and read permission for registry and folders C:\Windows, C:\Puritychrom-MCC-Plus.

PurityChrom MCC Plus needs to be excluded from Microsoft Security Essentials. Furthermore, the Windows Defender and antivirus software should be deactivated.

If a Windows version older than 8 or 10 is used it is recommended to start PurityChrom MCC Plus as an administrator.

Go to C:\PurityChrom-MCC-Plus and right-click the PurityChrom-MCC-Plus.exe to open the properties. Go to compatibility and check "Run this program in compatibility mode for" and choose "Windows Vista (Service Pack 2)". After this, check "Run this program as an administrator". Click "Apply" and "Ok", then close the window.

If Windows 8 or 10 is used it is recommended to start PurityChrom MCC Plus as an administrator. Go to C:\PurityChrom-MCC-Plus and right-click the PurityChrom-MCC-Plus.exe to run the program as administrator.

Title	<b>PurityChrom® MCC Plus Release Notes</b>			Page	4 von 4
Version:	1.0	Author:	Due	Date:	19.07.2021

### Energy **Saving Features**

Automatic switching to energy-saving mode or hibernating has to be disabled i.e. settings for “Turn Off Hardware”, “Turn off Computer” or “System Standby” must be set to “Never” in the control panels energy options.

### 3. **Release History**

This is the first release of the software PurityChrom MCC Plus.