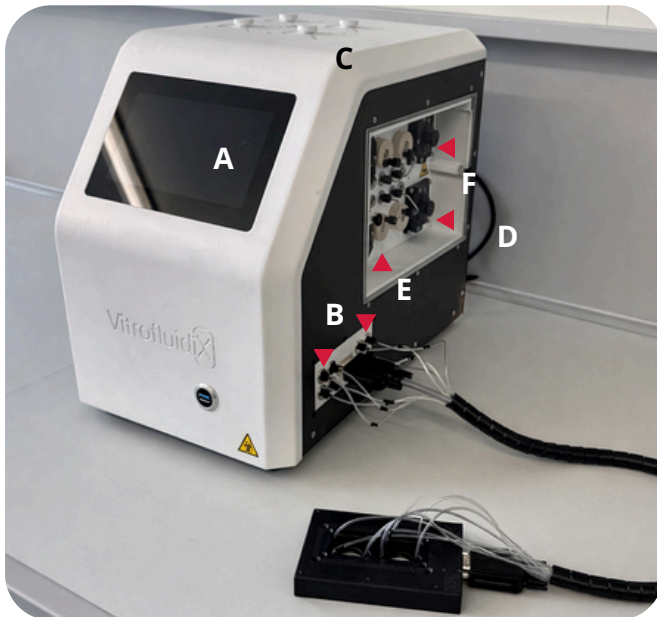


Quick Start Guide

Initiation and overview - *VitroFlow.Bio*

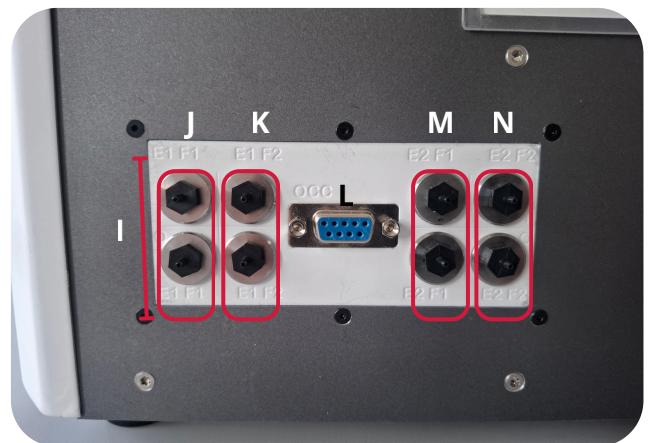
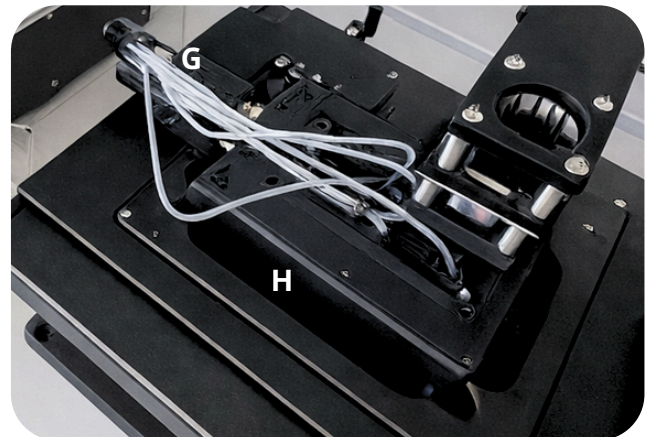


System Overview - Components



A Touch-Display (incl. internal PC & touchscreen)
B Fluidic connections (Right panel)
C Media Insert (4x)
D Power supply RS485 (Back)
E Bubble traps (4x)
F Pumps (4x)

G CC-Connect
H Chip Chamber (CC)
I CC interface
J Inlet (top) & Outlet (bottom) E1F1
K E1F2
L CC cable connection
M E2F1
N E2F2



Requirements before setup (Mini-Check)

Before you start, ensure...

- Device and all relevant components are disinfected or autoclaved
- CO₂ and compressed air are available and set to equal pressure (100–500 mbar)
- Power supply is available and compatible
- Tubing, vials and media are prepared

NOTE

- Operation is restricted to trained personnel only.
- For detailed procedures, refer to the Full User Manual (QR code).



Initial Setup Procedure

1 Preparation



- Find a suitable position of the setup at your lab next to relevant connections (e.g. gas)
- Disinfect all relevant system components prior to operation.

3 Fluidic setup & priming



- Connect the chip chamber and all required tubing.
- Install pump tubing and fill the system with sterile liquid until all channels are completely filled and free of air.

5 Cleaning cycle & ready for operation

- Perform a cleaning cycle before first use.
- After completion, the system is ready for experimental operation.

2 Gas & power connection



- Connect CO₂ and compressed air to the rear panel
- Set both to the same pressure (100–500 mbar).
- Connect the power supply and switch on the device.

4 System start & parameter setup

VitrofluidiX

Cell culture			
Chip temperature	<input type="text"/>	[°C]	1 2 3
CO ₂ Incubation	<input type="text"/>	[vol.%]	4 5 6
Perfusion			7 8 9
E1F1 Flow rate	<input type="text"/>	[µL/min]	0 <
E1F2 Flow rate	<input type="text"/>	[µL/min]	
E2F1 Flow rate	<input type="text"/>	[µL/min]	
E2F2 Flow rate	<input type="text"/>	[µL/min]	
			Submit

- Start the system via the touchscreen interface.
- Set temperature, CO₂ and flow parameters and confirm the settings.



VitroFlow.Bio is ready to go!



Further Information & Support

Need more details?

Detailed operation & workflows

→ See Full User Manual

Vial preparation & filling

→ See Vial Filling Guide

Chip & microscope compatibility

→ See Compatibility Guidelines in the download section on our website

Support

For any questions, feedback or technical support, please contact:



info@vitrofluidix.com

For application-specific or detailed technical questions:

David Günter - david.guenter@vitrofluidix.com



linkedin.com/company/vitrofluidix



vitrofluidix.com



Gottfried-Hagen-Str. 60-62, 51105 Cologne

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