

The Triax™ Flow Cell

The Triax™ Flow Cell from BioComp is a new developed and patented detector for the Piston Gradient Fractionator.

So far just UV absorption spectra recording was possible during fractionation. The new Triax™ Flow Cell provides the ability to record UV adsorption as well as VIS fluorescence scans. The scans can be obtained simultaneously in the same gradient, offering best precision in the overlay. Depending on the configuration, it is possible to scan simultaneously up to three wavelengths.

The Triax™ Flow Cell offers numerous possibilities for your application. Please see the order sheet that outlines all possible configurations.

Three options of the Triax™ Flow Cell are available:

FC-1 is the single wavelength version. It is intended to replace the Bio-Rad EM1, but can also be configured to record fluorescence, allowing overlaying of separate VIS and UV scans. Wavelength and fluorophore changes are made by changing the LEDs, photodiodes and filters manually.

FC-2 allows two input wavelengths so the UV and VIS scans are obtained in the same gradient. Another use is the dual UV scan at 260 and 280 nm, providing a 260/280 ratio that reflects the change in nucleotide/protein composition of a particle.

FC-3 is used for three wavelength scans, one UV scan for the UV profile and the other one or two VIS scans for fluorescence profiles in their particle's peaks. Up to three wavelength scans can be recorded simultaneously in the same gradient. All three LEDs are driven simultaneously via the newest Triax software.

(The FC-1 and FC-2 comes with a 4-channel circuit board. The FC-3 requires a 6-channel circuit board. If you anticipate a future upgrade to three wavelengths with a FC-3 circuit board, you can specify "FC-6CH" in your FC-1 or -2 order and will receive a 6-channel board that covers this upgrade possibility.)



Product Details - Triax[™] Flow Cell

Characteristics

- UV and VIS measuring cell
- Up to three wavelengths can be measured simultaneously
- Software updates via SD card

Technical Specifications

- Resolution: 1,040,000 units
- No AUFS setting
- Flow cell: 2 x 2mm², 30µl
- UV-wavelength: 260nm, 280nm
- Fluorophores: EGFP, mCherry, AlexaFluor 488, AlexaFluor 555, AlexaFluor 568, Cy2, Cy3, Cy5 and more on request
- PC requirements: Win 7/10, 2x USB-Port

Technical Data

- Voltage: via USB (CE certified)

Dimensions

- Width: 139,0 mm
- Depth: 62, mm
- Height: 89,0 mm
- Weight : 5,9 kg

Included

- Triax[™] Flow Cell
- Triax[™] Software
- Set of LED, Ex. filter, Em. filters
- USB cable PC to Triax[™]
- USB cable PC to Frac
- Connecting cables for fraction collector
- Assorted Cap & Set Screws
- IDEX Direct Injection Fitting w/20g needle
- IDEX Input Fitting & Ferrule
- 20 cm Alignment Extensions
- Flow Cell Cleaners
- Manual (English)

