

High yield photochemical flow synthesis

The Borealis™ Flow Photoreactor from Uniqsis sets a new benchmark for **high yield photochemical flow synthesis**



Comprising a high intensity Borealis™

LED lamp unit and a Cold Coil™ standalone reactor module – the Borealis™ Flow Photoreactor brings flow photochemistry within the reach of almost any laboratory.

Fitted with a safety interlock,

to prevent accidental exposure to high intensity light, the LED lamps (available in a range of fixed wavelengths - 370, 410, 440, 460 and 520nm), are powered by a programmable power supply that automatically detects the wavelength of the Borealis™ LED module and adjusts the output characteristics accordingly. A temperature sensor and safety cut-out are fitted to protect the LEDs from overheating. An Inert gas purge input is provided for low temperature use.

To set up the Borealis™ Flow Photoreactor

a coil reactor is inserted inside a Cold Coil™ reactor module and clamped in place using the external adjuster. The Borealis™ LED lamp unit is then inserted into the coil reactor and connected to the programmable power supply.

The coil reactor temperature

is controlled by connecting the Cold Coil to a either a cold-water supply (for reactions close to room temperature), or preferably to a high precision thermoregulation system**.



For further information

on the Borealis™ Flow Photoreactor please visit

<https://www.uniqsis.com/paProductsDetail.aspx?ID=Borealis> or contact Uniqsis on +44-845-864-7747/
info@uniqsis.com.

Uniqsis Ltd.

Since 2007, Uniqsis has specialised in the design and supply of mesoscale continuous flow chemistry systems for a wide range of applications in chemical and pharmaceutical research. The company's aim is to make flow chemistry easily accessible to both novices and experienced users.

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