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Syngene introduces new UV-Blue Light Converter Screens for its imaging systems

March 17, 2017

Syngene, a world-leading manufacturer of image analysis solutions, is pleased to introduce its UV-Blue Light Converter Screens which can quickly and simply change harmful UV into blue light. These screens offer a safe, affordable way of using the UV transilluminator in Syngene imaging systems to visualise DNA and protein gels labelled with many commercial fluorescent dyes.

The new UV-Blue Light Converter Screens come in two sizes (21 cm x 26 cm and 25 cm x 30cm) and are made of scratch-resistant plastic.

They have handles on two sides making them easy to retrofit onto a UV transilluminator so that instead of purchasing a new imager or blue light box, researchers can inexpensively convert the transilluminator in their Syngene G:BOX, U:Genius3, InGenius3 and NuGenius systems into a blue light powerhouse.

By simply placing the UV-blue Light Converter Screen over their transilluminator, the screen will alter the 302 nm UV wavelength to 460-470 nm, preventing damage to scientists' skin and eyes while they are visualising their gels.

A wavelength of 460-470 nm is optimum for viewing a wide variety of fluorescent colours and gels stained with sensitive dyes including GelRed™, GelGreen™ SYBR® Safe, SYBR® Gold, SYBR® Green, SYPRO® Ruby, SYPRO® Orange, and Coomassie Fluor™ Orange can be precisely visualised using the screen.

"Many scientists demand safe, yet accurate methods of staining and viewing DNA on their gels but cannot afford to purchase new imagers or blue light boxes for their labs," states Dr Lindsey Kirby, Product Manager at Syngene, "by introducing our robust UV-Blue Light Converter Screens researchers using Syngene systems can now access inexpensive technology, which is perfect for helping them image the huge range of safe, sensitive fluorescent dyes available now and in the future."



Source:

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Syngene are a division of the Synoptics Group, founded in 1985 by imaging experts from the University of Cambridge. At Syngene we live and breathe image analysis because products specifically for gel documentation and fluorescence/chemiluminescence imaging are all we've ever focused on developing.

Our other divisions in the Synoptics Group, Synbiosis and Syncroscopy, develop imaging solutions for microbial and microscopy applications so we are complete life science imaging specialists. Synoptics Health focuses on imaging techniques within the clinical environment.

We are headquartered in Cambridge, a thriving scientific hub in the UK and



have a centrally located US subsidiary in Frederick, USA. Globally, our products are supported by an international network of over 60 highly-trained distributors, all of whom employ imaging specialists.

Our world-leading technology includes a wide range of equipment for instant gel documentation, automated chemiluminescence imaging and TLC plate reading, which comply with current regulations specified by accreditation bodies and regulatory agencies.

Our systems are used globally by more than 75,000 scientists and you'll find them successfully contributing accurate data to important projects in many of the world's top pharmaceutical companies and major research institutes.

Syngene is a division of Synoptics Ltd. Synoptics Ltd is a company registered in England with company number 1874861. Its registered office address is Beacon House, Nuffield Road, Cambridge CB4 1TF. Synoptics Ltd VAT number is GB665 523522.

Synoptics Limited is fully compliant to the Waste Electrical & Electronic Equipment (WEEE) Regulations. We are a Member of the B2B Compliance scheme, which will handle our WEEE obligations on our behalf. Our Product Registration Number is WEE/AJ0049TZ. For further information, please contact B2B Compliance on: +44 (0) 1691 676 124.