

NEWS RELEASE - FOR IMMEDIATE RELEASE
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**Top UK University is Successfully using Syngene Imaging System
To Rapidly Study Proteins, DNA and Cells Associated with Breast Cancer**

Cambridge, UK: Syngene, a world-leading manufacturer of image analysis solutions, today announced its G:BOX Chemi XX6 multi-application imager is being utilised by scientists at a major London university to speed up analysis of proteins, DNA and cells associated with breast and a range of other cancer types.

Scientists at the university are using a G:BOX Chemi XX6 multi-application imager to rapidly detect changes in DNA and protein expressed in human breast and other cancer tissues utilising DNA gels and ECL-based chemiluminescent Western blots respectively. They are also using the system to record images of six-well plates containing cancer cells stained with crystal violet to estimate total viable cell counts. The data generated is providing information which scientists at the university are using to understand fundamental mechanisms of cancer cells and their microenvironment and could help to identify new therapeutic targets and patient stratification methods.

The Laboratory Manager at the university explained: "Originally, we were looking for two imaging systems because we need equipment that can image Westerns, DNA gels and even multi-well plates. We reviewed equipment from three suppliers and the feedback from all the researchers was that the Syngene G:BOX Chemi XX6 provided images of good quality in a broad range of applications and this meant we only had to have one system for everything."

He continued: "Now 30 of our researchers regularly use the G:BOX Chemi XX6 system to image around 10 Western blots daily. This system is simple to use and allows us to have a higher throughput of results compared to using X-ray film. At full capacity, we think we could generate 20 blot images every day and we even use the G:BOX Chemi XX6 for producing images of cells stained with crystal violet. In future, some of our researchers want to do fluorescent Western blotting and we have had the right lighting fitted so that our system will allow us to do this too."

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To find out about the versatile range of applications a G:BOX Chemi XX6 imaging system can perform, click this link: www.syngene.com/g-box-chemi-xx6/

“We’re delighted that this major UK University is using a Syngene imaging system to accelerate their cancer research,” comments Dr Martin Biggs, Sales Manager at Syngene. “The choice of a G:BOX Chemi XX6 for use by so many scientists for such a high throughput of Western blots shows how reliable this technology is for generating good quality imaging results with a range of diverse applications.”

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Note to Editors

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About Syngene

Syngene is a world-leading supplier of integrated imaging solutions for analysis and documentation of gel-based information. Syngene’s systems are used by more than 10,000 research organisations and over 50,000 individual scientists world-wide and include many of the world’s top pharmaceutical companies and major research institutes.

Syngene, founded in 1997, is a division of the Synoptics Group of the AIM listed Scientific Digital Imaging Company based in Cambridge, UK. The Group’s other divisions, Synbiosis and Synoptics Health, specialise in digital imaging solutions for microbial and clinical applications respectively. Synoptics, which celebrated its 30th anniversary of being in business in 2015, currently employs 40 people in its UK and subsidiary operation in Frederick, USA.