Syngene G:BOX Chemi XRQ

G:BOX Chemi XRQ with high resolution, cooled camera and application controlled GeneSys software for fluorescence and chemiluminescence applications.

Rating: Not Rated Yet
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ManufacturerSyngene

Description

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The G:BOX Chemi XRQ gel doc system is the replacement for the G:BOX Chemi XR5. The new XRQ features a next generation CCD camera which has higher quantum efficiency (QE) and with lower noise levels, makes this system the perfect choice for extended fluorescence applications and chemiluminescent Western blots. Like all Syngene systems, it is powered by the groundbreaking GeneSys automatic control software. GeneSys now has an improved interface making rapid image capture even easier, along with a unique user protocol feature enabling one-click selection of commonly used methods.

The G:BOX Chemi XRQ features 4 million pixel imaging utilising one of Syngene's brand new CCD cameras. As with all Syngene Chemi systems, cameras are cooled to provide virtually noise free images with perfect backgrounds. Whether using the system for standard fluorescence applications such as DNA, or for chemiluminescence imaging, the G:BOX Chemi XRQ will give you high quality results.

The stylish design with modular construction includes motor-driven lenses and filter wheels with the option of including a range of lighting choices for both Epi and transillumination applications.

The system comes complete with unlimited copies of GeneTools analysis software.

Features

Why buy this product

- Performance
  With the new GeneSys control software the user simply has to tell the G:BOX Chemi XRQ the sample type and dye and leave the rest to the automated capture system. Images are produced quickly with the minimum of effort. No other system on the market offers this level of control.

- High specification
  The new 4m pixel system with high quantum efficiency offers greater sensitivity. The addition of cooling enables longer exposures to be used which can be a necessity for some fluorescence applications and definitely for chemiluminescence.

- Modular

  The new design of G:BOX Chemi XRQ enables the user to use a range of options. This includes the latest LED fluorescence lighting modules for Epi illumination, providing the user with the ability to perform coloured fluorescent, multiplex and colorimetric imaging.

Specification

Choose your G:BOX

	G:BOX F3	G:BOX Chemi XRQ	G:BOX Chemi XT4	G:BOX Chemi XX6	G:BOX Chemi XX9
System					
Image resolution (pixels m)	3.8	4	4.2	6	9
Effective resolution (pixels m)	15.3	16	16.76	18	27
A/D	12/16 bit	16 bit	16 bit	16 bit	16 bit
Greyscales	65536	65536	65536	65536	65536
Quantum efficiency @ 425nm	N/A	73%	53%	73%	73%
Cooling - regulated (degrees)	None	-57C	-57C	-57C	-57C
Lens (motor driven)	f1.2	f1.2 with feed back	f0.95 with auto focus	f0.95 with auto focus	f0.95 with auto focus
Filter wheel (7 position motor driven)	Yes	Yes	Yes	Yes	Yes
UV filter	Yes	Yes	Yes	Yes	Yes
Use with external PC	Yes	Yes	Yes	Yes	Yes
Darkroom					
Standard	Yes	Yes			
Extended with motor driven stage			Yes	Yes	Yes
Illumination					
Epi LED white lights	Yes	Yes	Yes	Yes	Yes
Epi UV 302nm	Optional	Optional	Optional	Optional	Optional
Epi red LED module		Optional	Optional	Optional	Optional
Epi blue LED module		Optional	Optional	Optional	Optional
Epi green LED module		Optional	Optional	Optional	Optional
Epi red LED module M series for multiplexing		Optional	Optional	Optional	Optional
Epi green LED module M series for multiplexing		Optional	Optional	Optional	Optional
Epi blue LED module M series for multiplexing		Optional	Optional	Optional	Optional
Epi IR LED module		Optional	Optional	Optional	Optional
IR multiplexing kit (680-800nm)		Optional	Optional	Optional	Optional
Visible light converter 33 x 31cm	Optional	Optional	Optional	Optional	Optional
White light pad for visible stains (20 x 14 or 20 x 30cm)	Optional	Optional	Optional	Optional	Optional
UltraBright LED blue light transilluminator 20	Optional	Optional	Optional	Optional	Optional

x 16cm					
Edge lighting unit 26.5 x 20cm			Optional	Optional	Optional
UV transilluminators	Optional	Optional	Optional	Optional	Optional
Dimensions					
Max image area (cm)	25.5 x 21	30.5 x 22.7	19 x 19	32.3 x 17.6	32.3 x 17.6
Min image area (cm)	4.5 x 3.8	5.5 x 4	9 x 9	15 x 11.8	15 x 11.8
W x H x D (cm)	57 x 84 x 45	57 x 84 x 45	57 x 99 x 55	57 x 99 x 55	57 x 99 x 55
Weight (kg)	37	37	45	45	45
Voltage	115v/240v	115v/240v	115v/240v	115v/240v	115v/240v

NEWS-RELEASE

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NEWS RELEASE - FOR IMMEDIATE RELEASE
Date: 04.17.19

-Copy Starts-

Anglia Ruskin University Successfully uses Syngene Imaging System For Teaching Applications and to Study Proteins Implicated in Diseases

Cambridge, UK: Syngene, a world-leading manufacturer of image analysis solutions, today announced its G:BOX Chemi XRQ multi-application imager is being utilised at Anglia Ruskin University in Cambridge, UK as both a teaching tool and as part of research to analyse genes and proteins associated with diseases.

The G:BOX Chemi XRQ multi-application imager at Anglia Ruskin University, Cambridge is so flexible that it is being used for teaching post-graduates and as part of research projects to detect DNA and proteins on gels and blots. Researchers in the school are using the system to accurately analyse the signal molecules implicated in the pathogenesis of diseases and could help provide information for identifying novel therapeutic targets for treatment.

Dr Grisha Pirianov, Senior Lecturer in Biomedical Sciences at Anglia Ruskin University commented: “We were using ECL/X-ray films for imaging our chemiluminescent Western blots, but this was costly, required a darkroom and it was difficult to obtain good quantitative results.”

Grisha continued: “We are now using a G:BOX Chemi XRQ system regularly for research projects by PhD and post-doctoral scientists, as well as students on our Masters’ course in Applied Biosciences because it is simple for everyone to set-up with their own secure logins so they can customise their exposure times with specific antibodies and store results on their own computers. This means we no longer need to optimise our imaging times because the best images with low backgrounds are automatically captured. Also, since the G:BOX Chemi XRQ is more sensitive than the ECL/X-ray film approach our protein quantification is more accurate.”

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

Anglia Ruskin University

“We’re delighted to hear that Anglia Ruskin University is using a G:BOX Chemi XRQ for both their vital research and teaching applications,” states Dr Martin Biggs, Sales Manager at Syngene. “The regular use of a Syngene imaging system by so many different types of researcher demonstrates how easy it is for novice and experienced scientists alike to generate accurate Western blot results with a G:BOX Chemi XRQ.”
-End-

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Email: This email address is being protected from spambots. You need JavaScript enabled to view it.
document.getElementById('cloak9e85ac3128532fe784c70f3b8760e559').innerHTML = ''; var prefix = 'ma' + 'il' + 'to'; var path = 'hr' + 'ef' + '='; var addy9e85ac3128532fe784c70f3b8760e559 = 'jayne.arthur' + '@'; addy9e85ac3128532fe784c70f3b8760e559 =

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document.getElementById('cloak97ebfaf2ad83d8254fdee73f00044ae2').innerHTML = ''; var prefix = 'ma' + 'il' + 'to'; var path = 'hr' + 'ef' + '='; var addy97ebfaf2ad83d8254fdee73f00044ae2 = 'grisha.pirianov' + '@'; addy97ebfaf2ad83d8254fdee73f00044ae2 = addy97ebfaf2ad83d8254fdee73f00044ae2 + 'anglia' + '.' + 'ac' + '.' + 'uk'; var addy_text97ebfaf2ad83d8254fdee73f00044ae2 = 'grisha.pirianov' + '@' + 'anglia' + '.' + 'ac' + '.' + 'uk';document.getElementById('cloak97ebfaf2ad83d8254fdee73f00044ae2').innerHTML += "+addy_text97ebfaf2ad83d8254fdee73f00044ae2+";
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document.getElementById('cloak22393d9462f275bbfaed0a01048c7e92').innerHTML = ''; var prefix = 'ma' + 'il' + 'to'; var path = 'hr' + 'ef' + '='; var addy22393d9462f275bbfaed0a01048c7e92 = 'sue.pearson' + '@'; addy22393d9462f275bbfaed0a01048c7e92 = addy22393d9462f275bbfaed0a01048c7e92 + 'internationalsciencewriter' + '.' + 'com'; var addy_text22393d9462f275bbfaed0a01048c7e92 = 'sue.pearson' + '@' + 'internationalsciencewriter' + '.' + 'com';document.getElementById('cloak22393d9462f275bbfaed0a01048c7e92').innerHTML += "+addy_text22393d9462f275bbfaed0a01048c7e92+";
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Note to Editors
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.

About Anglia Ruskin University

Anglia Ruskin is an innovative global university, brimming with ambition. Students from 177 countries gain qualifications with us in four continents. Students, academics, businesses and partners all benefit from our outstanding facilities; we've invested £100 million over the last five years and plan to invest a further £91 million over the next five years.
Anglia Ruskin's Research Institutes and four faculties bridge scientific, technical and creative fields. We deliver impactful research which tackles pressing issues and makes a real difference, from saving lives to conserving water. Our academic excellence has been recognised by the UK's Higher Education funding bodies, with 12 areas classed as generating world-leading research.

We are ranked in the world's top 350 institutions in the 2019 Times Higher Education World University Rankings, and in 2016 we featured in a list of the 20 "rising stars" in global Higher Education compiled by strategy consultants Firetail.

Reviews

There are yet no reviews for this product.