

GeneGnome

DEDICATED CHEMILUMINESCENCE
IMAGING SYSTEM

DELIVERS SIMPLICITY AND SENSITIVITY



SYSTEM

Image resolution (megapixel)

Effective resolution (megapixel)

A/D

Greyscale

Quantum Efficiency (@ 425nm)

Lens (motor driven, fixed focus)

Cooling

Fixed stage

Use with external PC and printer

LIGHTING

Epi LED White Lights

DIMENSIONS

Max image area (cm)

Min image area (cm)

W x H x D (cm)

Weight (kg)

Power Input (V)

COMBINING SIMPLICITY WITH SENSITIVITY

Despite chemiluminescence blotting being a widely used technique to separate and detect proteins, at Syngene we know that when you're imaging Westerns you are looking for sensitivity equal to film.

Using the knowledge of chemiluminescence imaging that we've acquired over 35 years, we've developed the GeneGnome XRQ dedicated chemiluminescence imaging system, allowing you to easily produce picture perfect Westerns every time.

SIMPLE

Built on Syngene's unique GeneGnome system, GeneGnome XRQ has an optimized short 'camera to sample' distance, making it easy for you to perform rapid chemiluminescence imaging.

SENSITIVE

Featuring a high quantum efficiency, cooled CCD camera, GeneGnome XRQ ensures you can see faint bands with minimal background on your blot images.

SMALL

The compact GeneGnome XRQ takes up minimal bench space, allowing you more room for your experiments.



ADVANCED LENS

Great imaging starts with a great lens and this F/0.95 fixed focus lens gives optimum image quality.



HIGH QUANTUM EFFICIENCY CAMERA

The 4-megapixel resolution CCD camera is very sensitive to low level light emissions, producing images of up to 16m pixels, allowing you to see and separate those faint, close bands on blots up to 11cm x 8cm. The GeneGnome XRQ camera has double the dynamic range of film and with a quantum efficiency of greater than 73% @ 425nm gives outstanding sensitivity for chemiluminescence imaging.



SUPER LOW COOLING

Peltier cooling with exceptional signal to noise performance lets you have long exposure times. You can detect your weak and strong chemiluminescent bands on one crisp image, without any annoying background noise.



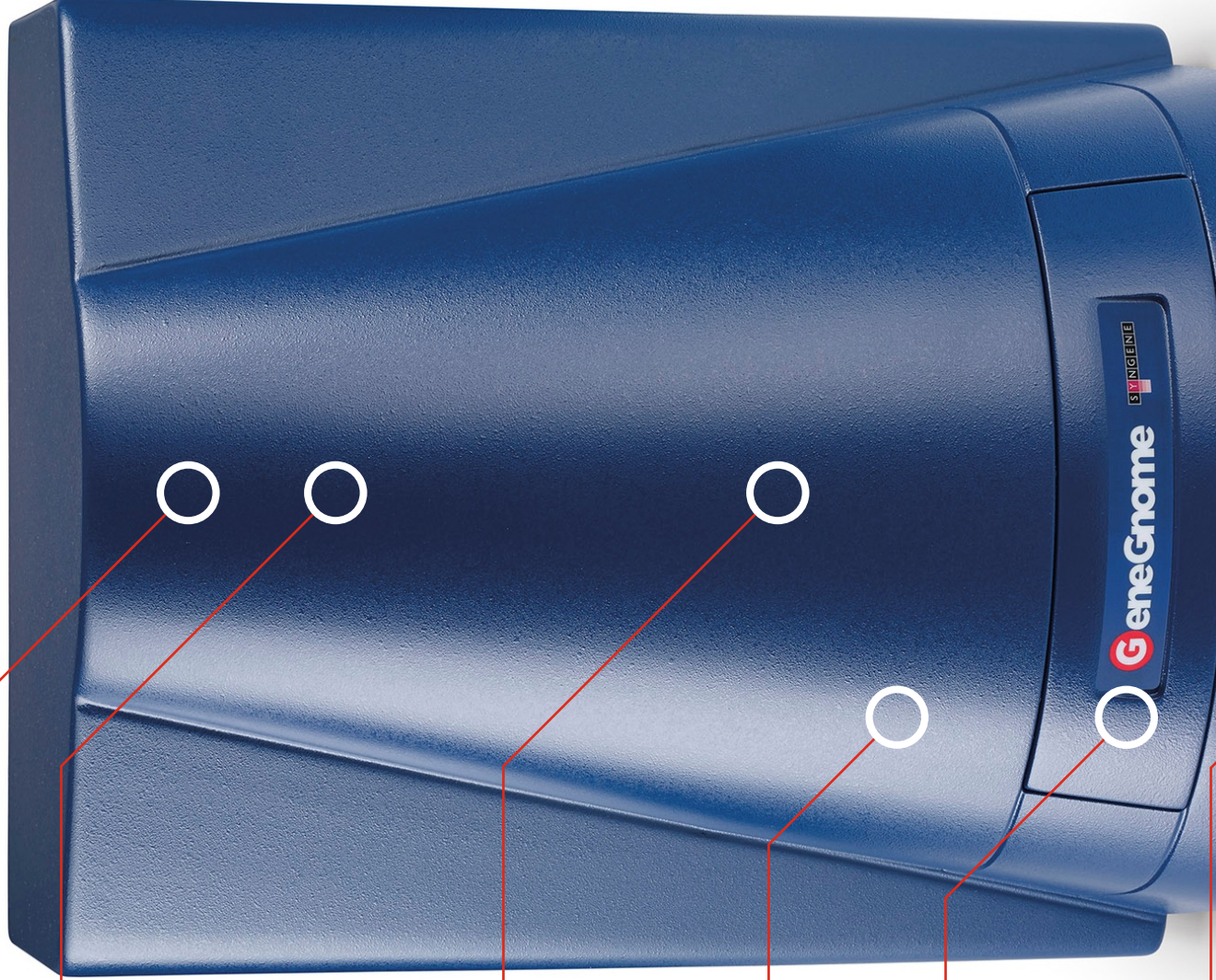
WHITE LIGHT

To position your blots and detect coloured markers, the GeneGnome XRQ comes with overhead long-life white LED EPI lighting.



SLIDE-OUT DRAWER

The automatic slide-out drawer gives you more bench space and allows you to easily position your blot. Its magnetic lock ensures that the darkroom is completely light-tight, resulting in perfect image capture every time.



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Fisher Scientific Product code	Syngene Product Code	Description
01257161	GGNOME-XRQ-NPC	For chemiluminescence only. 4MP imaging 16bit camera with 73% QE @425nm with fixed f0.95 lens. Includes epi LED white light. With GeneSys software & unlimited copies of GeneTools. Viewing area 11 x 8cm
01257298	P95DW	Mitsubishi Digital Thermal Printer
01257289	K65HM	Thermal paper, Matt, 1 roll For thermal printers
01257290	K91HG	Thermal paper, Glossy, 1 roll For thermal printers