

Illumination options available on Syngene image capture systems

Introduction

Syngene offers a variety of image capture systems to meet all your imaging requirements. There are several lighting options including transilluminator UV (Trans UV), transilluminator white/ visible light (Trans white/ visible), transilluminator blue (Trans blue) and Epi RGB, UV and white available which can be fitted as standard or purchased as an optional extra.

Transilluminator UV light is often used to image UV excitable dyes including Ethidium bromide and SYBR dyes.

Transilluminator white/visible light is used for fluorescent stained gels, colorimetric gels and Autoradiographs.

Transilluminator blue light provides blue light excitation for dyes that contain blue visible light excitation peak.

Epi (UV, white and RGB) light provides light which is reflected off the sample surface and is often used for colorimetric markers and for non-translucent or non-transparent gels and blots.

To avoid any confusion, this application note details which options are fitted or available with each system type. Please refer to table I for lighting options available in current Syngene systems.





SYSTEM	LIGHTING OPTIONS					
	TRANS UV	TRANS VISIBLE	TRANS BLUE	EPI RGB MODULE	EPI UV	EPI WHITE
DigiGenius 	Standard Size: 20x20cm Wavelength:302nm Optional Size: 20x30cm or 25x30cm Wavelength: 254nm, 365nm or Dual wavelength	Optional Conversion screen	Optional Conversion screen	No	Optional Factory fitted Wavelength: 254nm and 365nm are both supplied	Single source
InGenius 	Standard Size: 20x20cm Wavelength:302nm Optional Size: 20x30cm or 25x30cm Wavelength: 254nm, 365nm or Dual wavelength	Included Conversion screen	Optional Conversion screen	No	Optional Factory fitted Wavelength: 254nm and 365nm are both supplied	Single source Optional Dual Source
UGenius 	Standard Size: 20x20cm Wavelength:302nm Optional Size: 20x30cm or 25x30cm Wavelength: 254nm, 365nm or Dual wavelength	Optional Conversion screen	Optional Conversion screen	No	No	Single source
G:BOX iChemi range All models 	Standard Size: 20x20cm Wavelength:302nm Optional Size: 20x30cm or 25x30cm Wavelength: 254nm, 365nm or Dual wavelength	Standard Not all Models Optional Conversion screen	Optional Conversion screen	Optional Factory fitted	Optional Factory fitted Wavelength: 254nm and 365nm are both supplied	Dual Source

Table I- Lighting options available with current Syngene Image Capture Systems

Syngene reserves the right to amend or change specifications without prior notice. This Application Note supersedes all earlier versions.

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