

Comparison of Chemi and Fluorescence Systems



Specifications	G:BOX Chemi XRQ	G:BOX Chemi XX6/XX9		G:BOX mini 6/9	GeneGnome XRQ
Image resolution	4MP	6/9.1MP		6/9.1MP	4MP
Bit depth	16 Bit	16 Bit		16 Bit	16 Bit
Dynamic range	4.8 OD	4.8 OD		4.8 OD	4.8 OD
Lens	F1.2	F0.80	F0.95	F0.95	F0.95
Sample size (cm)	Max: 30.5x22.7 Min: 5.0x3.8	Max: 34.5x27.6 Min: 15.6x12.5	Max: 32.3x25.6 Min: 15x11.8	Max: 15x12 Min: 10x8	11x8
Filter position	7	7		7	
Dimensions (HxWxD)	84x57x45cm	99x57x55cm		64x40x52cm	44x37.5x43cm
Applications					
DNA gels	✓	✓		✓	
Protein gels	✓	✓		✓	
Fluorescence	✓	✓		✓	
Chemiluminescence	✓	✓		✓	✓
Colorimetric detection	✓	✓		✓	
3-colour detection	✓	✓		✓	
Infra-red fluorescence	✓	✓		✓	
Features					
Image capture software	✓	✓		✓	✓
Analysis software	✓	✓		✓	✓



Syngene Europe and International Headquarters:
 Beacon House Nuffield Road Cambridge CB4 1TF UK
 Tel: +44 (0)1223 727123 Fax: +44 (0)1223 727101
 email: sales@syngene.com

Syngene USA Headquarters:
 5123 Pegasus Court Suite Q Frederick MD 21704 USA
 Tel: 800-686-4407/301-662-2863 Fax: 301-631-3977
 email: ussales@syngene.com

Website: www.syngene.com
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Comparison of Gel Documentation Systems



Specifications	DigiGenius	InGenius 3	NuGenius NuGenius	G:Box F3
Image resolution	18MP	3MP	5MP	5MP
Bit depth	N/A	12/16 Bit	12/16 Bit	12/16 Bit
Dynamic range	N/A	3.6/4.8 OD	3.6/4.8 OD	3.6/4.8 OD
Lens	N/A	F1.4	F1.2(F1.4+version)	F1.2
Sample size (cm)	20x20	20x20	20x24	Max: 32.5x24.1 Min: 5.6x4.2
Filter position	1	1	1	7
Dimensions (HxWxD)	21x28x37cm	62x37.5x40cm	75x31x45cm	84x57x45cm
Applications				
DNA gels	✓	✓	✓	✓
Protein gels	✓	✓	✓	✓
Fluorescence	✓	✓	✓	✓
Chemiluminescence				
Colorimetric detection	✓	✓	✓	✓
3-colour detection				
Infra-red fluorescence				
Features				
Image capture software	✓	✓	✓	✓
Analysis software	✓	✓	✓	✓



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