


G:BOX Chemi system comparison chart

G:Box Chemi	XRQ	XT4	XX6	XX9
				
Application				
Infrared fluorescence	✓	✓	✓	✓
Multi-plexing	✓	✓	✓	✓
Protein gels	✓	✓	✓	✓
DNA gels	✓	✓	✓	✓
Films	✓	✓	✓	✓
Colony counting	✓	✓	✓	✓
Chemiluminescent blots	✓	✓	✓	✓
Bioluminescence	✓	✓	✓	✓
2D gels	✓	✓	✓	✓
Stain free	✓	✓	✓	✓
Colorimetric blot detection	✓	✓	✓	✓
GFP plant imaging	✓	✓	✓	✓
Performance				
Resolution (megapixels)	4	4.2	6	9
Effective resolution (megapixels)	16	16.76	18	27
Dynamic range (greyscale)	65,536	65,536	65,536	65,536
Quantum efficiency @425nm	73%	53%	73%	73%
Sensitivity	●●●●	●●●●○	●●●●	●●●●
Imaging speed	●●●●	●●●●○	●●●●	●●●●
System specifications				
Detector (degrees celsius)	-57 cooled CCD	-57 cooled CCD	-57 cooled CCD	-57 cooled CCD
Standard optics	f1.2 with feedback	f0.95 with auto focus	f0.95 with auto focus	f0.95 with auto focus
Max image area (cm)	30.5 x 22.7	19 x 19	32.3 x 25.6	32.3 x 25.6
Min image area (cm)	5.5 x 4	9 x 9	15 x 11.7	15 x 11.8
Illumination				
LED epi excitation (red, green, blue and IR)	Optional	Optional	Optional	Optional
Epi UV excitation	Optional	Optional	Optional	Optional
365/302nm UV transilluminator	Optional	Optional	Optional	Optional
Blue light transilluminator	Optional	Optional	Optional	Optional
Epi white lights	✓	✓	✓	✓
Visible light converter	Optional	Optional	Optional	Optional
White light pad for visible stains	Optional	Optional	Optional	Optional
Edge lighting unit		Optional	Optional	Optional
Filter positions	7 - motor driven	7 - motor driven	7 - motor driven	7 - motor driven
UV filter as standard	✓	✓	✓	✓
System software	GeneSys	GeneSys	GeneSys	GeneSys
Analysis software	GeneTools	GeneTools	GeneTools	GeneTools
Data format	16 bit	16 bit	16 bit	16 bit
Dimensions (w x h x d cms)	57 x 84 x 45	57 x 99 x 55	57 x 99 x 55	57 x 99 x 55
Weight (kg)	37	45	45	45
Upgradeable (camera)		✓	✓	✓



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