

Imaging System Selection Guide

- 0 = Not recommended
 1–5 = Recommendation rating (5 is highest)
 NA = Not applicable
 * = Custom filter required
 ** = Optimal with nitrocellulose

Application	Gel Doc XR System	ChemIDoc XRS System	GS-800 Calibrated Densitometer	VersaDoc Model 4000 System	VersaDoc Model 5000 System	Personal Molecular Imager FX System	Molecular Imager FX Pro System	Molecular Imager FX Pro Plus System
Nucleic Acid Detection								
Coumarin	4	4	0	5*	3*	0	0	0
Ethidium bromide	4	4	0	5	3	0	5	5
GelStar	4	4	0	5	3	0	5	5
Hoechst	4	4	0	5*	3*	0	0	0
Radiant Red	4	4	0	5	3	0	5	5
Rhodamine	3	3	0	3	2	0	5	5
SYBR Gold	4	4	0	5	3	0	5	5
SYBR Green I	4	4	0	5	3	0	5	5
Texas Red	3	3	0	4	2	0	5	5
Protein Staining, 1-D Gels								
Coomassie Blue	4	4	5	5	3	0	2	2
Copper	4	4	5	5	3	0	2	2
Silver	4	4	5	5	3	0	2	2
SYPRO Orange	4	4	0	5	3	0	5	5
SYPRO Red	4	4	0	5	3	0	5	5
SYPRO Ruby	4	4	0	5	3	0	5	5
Zinc	4	4	5	5	3	0	2	2
Protein Staining, 1-D Blots								
Coomassie Blue	4	4	5	5	3	0	2	2
Copper	4	4	5	5	3	0	2	2
Silver	4	4	5	5	3	0	2	2
SYPRO Ruby	0	0	0	4**	2**	0	5	5
Zinc	4	4	5	5	3	0	2	2

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Protein Staining, 2-D Gels								
Coomassie Blue	3	3	5	4	2	0	1	1
Copper	3	3	5	4	2	0	1	1
Cy2	3	3	0	4	2	0	5	5
Cy3	3	3	0	4	2	0	5	5
Cy5	0	0	0	0	0	0	5	5
Pro-Q Diamond	3	3	0	4	3	0	5	5
Pro-Q Emerald 300	4	4	0	5	3	0	2	2
Pro-Q Emerald 488	3	3	0	4	2	0	5	5
Silver	3	3	5	4	2	0	1	1
SYPRO Orange	4	4	0	5	3	0	5	5
SYPRO Red	4	4	0	5	3	0	5	5
SYPRO Ruby	4	4	0	5	3	0	5	5
Zinc	3	3	5	4	2	0	1	1
Protein Staining, 2-D Blots								
Coomassie Blue	4	4	5	5	2	0	2	2
Copper	4	4	5	5	2	0	2	2
Silver	4	4	5	5	2	0	2	2
SYPRO Ruby	0	0	0	4**	2**	0	5	5
Zinc	4	4	5	5	2	0	2	2
Blotting								
Chemifluorescence	0	0	0	3**	2**	0	3	3
Immun-Star AP kit	0	4	0	4	5	0	0	0
Immun-Star HRP kit	0	4	0	4	5	0	0	0

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Macroarrays								
Chemiluminescence	0	4	0	5	3	0	0	0
Fluorescence	4	4	0	5	3	0	5	5
Radiolabeling	0	0	0	0	0	5	0	5
Colony Counting								
Colorimetry	4	4	0	5	3	0	2	2
Fluorescence	4	4	0	5	3	0	5	5
Isotopic Detection								
Radiolabeling	0	0	0	0	0	5	0	5
X-ray film	4	4	4	5	3	0	0	3