

Materials List for:

Profiling Changes in Receptor Tyrosine Kinase Phosphorylation using Antibody Arrays - ADVERTISEMENT

Greta J. Wegner¹, David J. Finkel¹, Amy E. James¹, Richard A. Krzyzek¹

¹Array Group, Assay Department, R&D Systems, Inc.

Correspondence to: Greta J. Wegner at Greta.Wegner@rndsystems.com

URL: <https://www.jove.com/video/4199>

DOI: [doi:10.3791/4199](https://doi.org/10.3791/4199)

Materials

Name	Company	Catalog Number	Comments
Human Phospho-RTK Array Kit	 R&D Systems	ARY001	
Aprotinin	Sigma	A6279	
Leupeptin	Tocris	1167	
Pepstatin A	Tocris	1190	
MDA-MB-453 cells			
Kato III cells			
Recombinant Human NRG1-beta 1/HRG1-beta 1 EGF Domain	R&D Systems	396-HB-050	
Recombinant Human FGF acidic (aa 16-155)	R&D Systems	232-FA-025	
Heparin	Sigma	H4784	
HDS 029	Tocris	2646	
PD 153035	Tocris	1037	
PD 158780	Tocris	2615	
PD 173074	Tocris	3044	
PD 161570	Tocris	3724	
PD 166285	Tocris	3785	
BCA assay	Pierce	23225	
Phosphate-Buffer Saline (PBS)			
Pipettes and pipette tips			
Gloves			
Deionized or distilled water			
Flat-tipped tweezers			
Rocking platform shaker			
Microcentrifuge			
Plastic containers with the capacity to hold 50 ml			For washing arrays
Plastic transparent sheet protector			
Plastic wrap			
Absorbent lab wipes			
Paper towels			
Autoradiography cassette			
Film developer			
Kodak BioMax Light Film	Carestream Health	178 8207	
Film developer			

Image Station 4000MM PRO	Carestream Health		Chemiluminescence imager compatible with collection of western data may be used instead of film and a film developer.
Epson Perfection Scanner	Epson	V750 PRO	Flatbed scanner with transparency adaptor capable of transmission mode
Image Analysis Software	GE, WesternVision, BioRad, Adobe, NIH, Protein Simple, etc		ImageQuant, ArrayVision, Western Vision, Quantity One, Photoshop, ImageJ, AlphaView, or other compatible program
Microsoft Excel	Microsoft		
Computer capable of running image analysis software and Microsoft Excel.			