

Typhoon™ FLA 9000

Quick start guide

1	Place the sample on the stage, then place the stage in the scanner.	<p>Phosphor Stage > Magnetic stage for radioisotopic applications.</p> <p>Fluor Stage > For fluorescent samples and gel documentation.</p> <p>Multi Stage > For titer plates and glass slides.</p> <p>LF Glass Plate Stage > For DIGE gels.</p>
2	Check that the correct lasers are installed and the correct filters are registered in the filter module.	
3	Select the appropriate imaging mode. 	<ul style="list-style-type: none"> > Phosphorimaging: Make sure that the IP filter is in the filter tray > Chemiluminescence: Make sure that Through is one of the available filter positions > Digitization: Place the beige calibration plate on top of the sample on the stage
4	Select a location (Image Folder) and a file name for the image.	Image Folder : <input type="text"/> <input type="button" value="Browse..."/>
5	Select the method and the PMT voltage (example below). 	<ul style="list-style-type: none"> > Set the PMT voltage between 250 (minimum gain) and 1000 (maximum gain) > Fluorescence: Scan with up to 4 different methods sequentially by clicking <input type="button" value="+"/> to add a new scan > Phosphorimaging: Default settings of 635 nm laser and IP filter are automatically selected
6	Select the scan area by adjusting the position and size of the red box on the grid, so that it matches the area on the tray occupied by the sample.	
7	Use Prescan to make a fast 1000 µm pixel size scan to generate an image of the sample. Thereafter, adjust the scan area if required and select an appropriate pixel size. <input type="button" value="Prescan"/>	
8	Select Start Scan after reviewing the setup to start the scan.	<input type="button" value="Start Scan"/>
9	Select Return after image capture to return to the previous menu.	<input type="button" value="Return"/>



Western blotting



Sample preparation	Protein separation	Blotting	Antibody probing	Detection	Image acquisition	Image analysis
SDS-PAGE Clean-Up Kit	MiniVE SE 250/SE 260 SE 600 Ruby EPS 310/EPS 601 Rainbow™ Markers ECL™ DualVue	TE 22/TE 62 TE 70/TE 77 Hybond™ ECL Hybond P	Processor Plus ECL HRP-linked secondary antibodies ECL Plex conjugated antibodies	ECL Plus (chemifluorescence)	Typhoon FLA 9000 Typhoon FLA 7000 Hyperfilm™	ImageQuant™ TL 7.0 with ImageQuant TL SecuriTy

2-D DIGE



Sample preparation	Protein labeling	Protein separation	Image acquisition	Image analysis	Protein handling	Validation
2-D Protein Extraction Buffer	CyDye™ DIGE Fluor min dyes CyDye DIGE Fluor sat dyes	IPGphor™ IPGbox Immobiline™ DryStrip gels IPG Buffer Ettan™ DALTsix Ettan DALTwelve DIGE Gel and DIGE Buffer Kit	Typhoon FLA 9000	DeCyder™ 2D software v7.0	Ettan Spot Picker Ettan Digester	ECL Plex™ ImageQuant TL 7.0 with ImageQuant TL SecuriTy

For local office contact information, visit

www.gelifesciences.com/contact

www.gelifesciences.com/quantitative_imaging

GE Healthcare Bio-Sciences AB

Björkgatan 30
751 84 Uppsala
Sweden

GE, imagination at work, and GE monogram are trademarks of General Electric Company.

CyDye, DeCyder, Ettan, ECL, ECL Plex, Hybond, Hyperfilm, ImageQuant, Immobiline, IPGphor, Rainbow, and Typhoon are trademarks of GE Healthcare companies.

2-D Fluorescence Difference Gel Electrophoresis (2-D DIGE) technology is covered by US patent numbers 6,043,025, 6,127,134 and 6,426,190 and equivalent patents and patent applications in other countries and exclusively licensed from Carnegie Mellon University. CyDye: this product or portions thereof is manufactured under an exclusive license from Carnegie Mellon University under US patent numbers 5,569,587, 5,627,027 and equivalent patents in other countries. The purchase of CyDye DIGE Fluors includes a limited license to use the CyDye DIGE Fluors for internal research and development, but not for any commercial purposes. A license to use the CyDye DIGE Fluors for commercial purposes is subject to a separate license agreement with GE Healthcare.

ECL Plus contains Lumigen PS3 substrate and is sold under exclusive license from Lumigen Inc.

CyDye: This product or portions thereof is manufactured under an exclusive license from Carnegie Mellon University under US patent number 5,268,486 and equivalent patents in the US and other countries.

All third party trademarks are the property of their respective owners.

© 2010 General Electric Company—All rights reserved.

First published Jan. 2010.

All goods and services are sold subject to the terms and conditions of sale of the company within GE Healthcare which supplies them. A copy of these terms and conditions is available on request. Contact your local GE Healthcare representative for the most current information.

GE Healthcare UK Limited
Amersham Place
Little Chalfont
Buckinghamshire, HP7 9NA
UK

GE Healthcare Europe, GmbH
Munzinger Strasse 5
D-79111 Freiburg
Germany

GE Healthcare Bio-Sciences Corp.
800 Centennial Avenue, P.O. Box 1327
Piscataway, NJ 08855-1327
USA

GE Healthcare Japan Corporation
Sanken Building 3-25-1
Hyakunincho, Shinjuku-ku, Tokyo 169-0073
Japan

28-9752-25 AA 01/2010



imagination at work