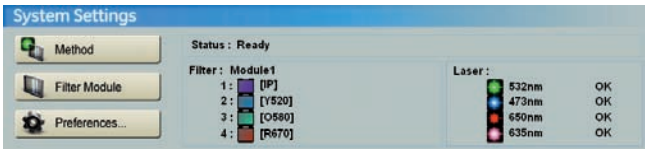







# Typhoon™ FLA 7000

## Quick start guide

1	Place the sample on the stage, then place the stage in the scanner.	<b>Phosphor Stage</b> > Magnetic stage for radioisotopic applications. Use cover to protect from light. <b>Fluor Stage</b> > For fluorescent samples and gel documentation. <b>Multi Stage</b> > For titer plates and glass slides.
2	Check that the correct lasers are installed and the correct filters are registered in the filter module.	 <p><b>System Settings</b></p> <p>Status: Ready</p> <p>Filter: Module1</p> <p>1: [IP] 2: [Y520] 3: [O580] 4: [R670]</p> <p>Laser:</p> <p>532nm OK 473nm OK 650nm OK 635nm OK</p>
3	Select the appropriate imaging mode.	 <p>&gt; <b>Phosphorimaging:</b> Make sure that the IP filter is in the filter tray and note the status of the ND filter (under "Preferences"). The ND filter should be used when an image scanned at the lowest PMT voltage contains saturated pixels.</p> <p>&gt; <b>Digitization:</b> Place the pink calibration plate on top of the sample on the stage.</p>
4	Select a location (Image Folder) and a file name for the image.	<p>Image Folder: <input type="text"/> <input data-bbox="1257 1081 1353 1102" type="button" value="Browse..."/></p>
5	Select the method and the PMT voltage (example below).	 <p>&gt; Set the PMT voltage between 500 (minimum gain) and 1000 (maximum gain)</p> <p>&gt; <b>Fluorescence:</b> Scan up to 4 different methods sequentially by clicking <input data-bbox="475 1229 507 1251" type="button" value="+"/> to add a new scan</p> <p>&gt; <b>Phosphorimaging:</b> Default settings of 650 nm laser and IP filter are automatically selected</p>
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	Select the latitude. This specifies the dynamic range. L5 provides a larger detectable range than L4. L4 provides a finer density gradation, if the signals of the sample area are in the correct range.	<p>&gt; <b>L4:</b> Dynamic range of four orders of magnitude</p> <p>&gt; <b>L5:</b> Dynamic range of five orders of magnitude</p>
8	Select an appropriate pixel size to capture the required level of detail in the image.	 <p><b>Pixel Size</b></p> <p><input type="radio"/> 25 µm <input type="radio"/> 50 µm <input type="radio"/> 100 µm <input type="radio"/> 200 µm</p>
9	Select <b>Start Scan</b> after reviewing the setup to start the scan.	
10	Select <b>Return</b> after image capture to return to the previous menu.	

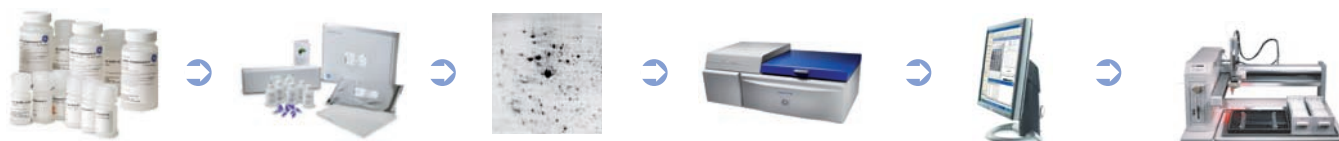


## Western blotting



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 Plus (chemifluorescence)	Typhoon FLA 7000 Typhoon FLA 9000 Hyperfilm™	ImageQuant™ TL 7.0 with ImageQuant TL SecurITy

## 2-D electrophoresis



Sample preparation	Protein separation	Protein labeling	Image acquisition	Image analysis	Protein handling
2-D Protein Extraction Buffer	IPGphor™ IPGbox Immobiline™ DryStrip gels IPG Buffer Etan™ DALTsix Etan DALTwelve DALT Gel and DALT Buffer Kit	Deep Purple™ Total Protein Stain	Typhoon FLA 7000 Typhoon FLA 9000	ImageMaster™ 2D Platinum	Etan Spot Picker Etan Digester

For local office contact information, visit  
[www.gelifesciences.com/contact](http://www.gelifesciences.com/contact)

[www.gelifesciences.com/quantitative\\_imaging](http://www.gelifesciences.com/quantitative_imaging)

GE Healthcare Bio-Sciences AB  
 Björkgatan 30  
 751 84 Uppsala  
 Sweden

Deep Purple, Etan, ECL, Hybond, Hyperfilm, ImageQuant, ImageMaster, Immobiline, IPGphor, Rainbow, and Typhoon are trademarks of GE Healthcare companies.

Deep Purple Total Protein Stain: Deep Purple Total Protein Stain is exclusively licensed to GE Healthcare from Fluorotechnics Pty Ltd. Deep Purple Total Protein Stain may only be used for applications in life science research. Deep Purple is covered under a granted patent in New Zealand entitled "Fluorescent Compounds", patent number 522291 and equivalent patents and patent applications in other countries.

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

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

28-9752-26 AA 01/2010



imagination at work