GE Healthcare

Typhoon™ FLA 7000 Quick start guide

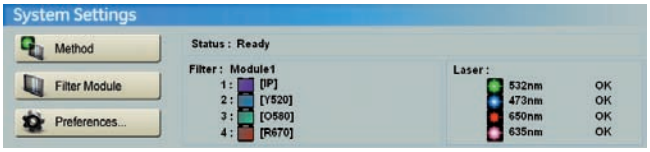
1 Place the sample on the stage, then place the stage in the scanner.

Phosphor Stage > Magnetic stage for radioisotopic applications. Use cover to protect from light.

Fluor Stage > For fluorescent samples and gel documentation.

Multi Stage > For titer plates and glass slides.

2 Check that the correct lasers are installed and the correct filters are registered in the filter module.



3 Select the appropriate imaging mode.

> **Phosphorimaging:** 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.

> **Digitization:** Place the pink calibration plate on top of the sample on the stage.

4 Select a location (Image Folder) and a file name for the image.

5 Select the method and the PMT voltage (example below).

> Set the PMT voltage between 500 (minimum gain) and 1000 (maximum gain)

> **Fluorescence:** Scan up to 4 different methods sequentially by clicking + to add a new scan

> **Phosphorimaging:** Default settings of 650 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 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.

> **L4:** Dynamic range of four orders of magnitude

> **L5:** Dynamic range of five orders of magnitude

8 Select an appropriate pixel size to capture the required level of detail in the image.

9 Select Start Scan after reviewing the setup to start the scan.

10 Select Return 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 Ettan™ DALT*six* Ettan DALT*twelve* DALT Gel and DALT Buffer Kit	Deep Purple™ Total Protein Stain	Typhoon FLA 7000 Typhoon FLA 9000	ImageMaster™ 2D Platinum	Ettan Spot Picker Ettan Digester

For local office contact information, visit
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imagination at work

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