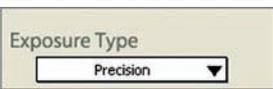
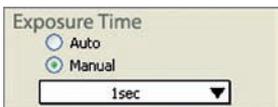
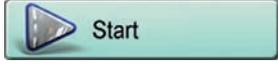


# ImageQuant™ LAS 4010 / 4000 / 4000 mini Quick start guide

1	Center the sample on the tray in the dark box.	<p><b>Black tray</b> &gt; For chemiluminescence, epi-fluorescence, and epi-illuminated digitization</p> <p><b>Transparent tray</b> &gt; For UV transillumination</p> <p><b>Opaque tray</b> &gt; For white transillumination</p>
2	<p>Select  <b>Method/Tray position</b></p> <p>Choose the appropriate application. Choose Tray Position (1-4; mini: 0-3). Select OK.</p>	<p>&gt; <b>Chemiluminescence</b></p> <p>&gt; <b>Fluorescence:</b> Make sure the appropriate LED panel and filter are installed</p> <p>&gt; <b>Digitization:</b> Choose between illumination from above (Epi-illumination) or below (Transillumination)</p>
3	<p>Select  <b>Focusing</b></p> <p>Select Return.</p>	Focus the image using the fine or coarse adjust buttons
4	<p>Select  <b>Exposure Type</b> Precision</p>	<p>&gt; <b>Precision:</b> Single exposure using exposure time</p> <p>&gt; <b>Increment:</b> Additive exposures using exposure time</p> <p>&gt; <b>Repetition:</b> Multiple exposures using exposure time</p> <p>&gt; <b>Program:</b> Programmable wait and exposure times (up to 16 images)</p>
5	<p>Select  <b>Exposure Time</b> Auto Manual 1sec</p>	<p>&gt; <b>Auto:</b> The program determines an exposure time for your sample</p> <p>&gt; <b>Manual:</b> Set an exposure time from 1/100 sec to several hours</p>
6	<p>Select  <b>Sensitivity / Resolution</b> Standard</p>	<p><b>Set sensitivity and resolution.</b> See Help - Sensitivity/Resolution for details.</p>
7	<p>Select  <b>Start</b> to start the exposure.</p>	
8	<p>Select  <b>Save</b> if satisfied with the image, then select  <b>Complete</b> to return to the previous menu.</p>	



## Western blotting



### Sample preparation

SDS-PAGE  
Clean-Up Kit

### Protein separation

MiniVE  
SE 250/SE 260  
SE 600 Ruby  
EPS 310/EPS 601  
Rainbow™ Markers  
ECL™ DualVue

### Blotting

TE 22/TE 62  
TE 70/TE 77  
Hybond™ ECL  
Hybond P

### Antibody probing

Processor PlusECL  
HRP-linked  
secondary antibodies

### Detection

ECL  
ECL Advance™  
ECL Plus  
(chemiluminescence)

### Image acquisition

ImageQuant  
4010/4000/4000 mini  
Hyperfilm™

### Image analysis

ImageQuant TL 7.0 with  
ImageQuant TL Security

## 2-D electrophoresis



### Sample preparation

2-D Protein  
Extraction Buffer

### Protein separation

IPGphor™  
IPGbox  
Immobiline™  
DryStrip gels  
IPG Buffer  
Ettan™ DALTsix  
Ettan DALTwelve  
DALT Gel and  
DALT Buffer Kit

### Protein labeling

Deep Purple™  
Total Protein Stain

### Image acquisition

ImageQuant  
4010/4000/4000 mini

### Image analysis

ImageMaster™  
2D Platinum

### Protein handling

Ettan Spot Picker  
Ettan Digester

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

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First published Jan. 2010

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28-9752-24 AA 01/2010



imagination at work