

Institute for Bioengineering of Catalonia

Core Facilities

Manufacturer **GE** Healthcare Model



Gel Documentation

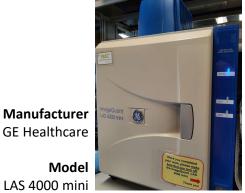


ImageQuant LAS 4000 mini is a dedicated CCD camera system for sensitive, quantitative imaging of gels and blots by chemiluminescence and white epi-illumination gel documentation. The system bought by IBEC also has a blue epi-fluorescence module.

IMAGING APPLICATIONS:

- Quantitative Western blotting: The high sensitivity of the system is designed to capture the chemiluminescent signals from Western blotting detection reagents for quantitative detection purposes.
- Blue Fluorescence (460 nm): An epi-blue source for fluorescence allows the detection of reagents such as Amersham ECL Plus, FITC, FAM, SYBR Green, EGFP, and SYPRO Ruby.
- Gel documentation: Imaging of opaque stains such as Coomasie Blue, silver stain, and Amersham RainbowTM markers is achieved by epi-white illumination. An opaque marker image can be automatically captured and presented together with a chemiluminescent image, facilitating comparison of the marker with the chemiluminescent signal from the sample.





GE Healthcare Model

ImageQuant LAS 4000 mini

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	Chemiluminescence	Fluorescence via blue epi- illuminator (460 nm)	Gel documentation via white epi-illuminator
Detection Reagents	Amersham ECL Amersham ECL Prime Amersham ECL Plus Amersham ECL Advance	Alexa Fluor TM 488 Cy TM 2 SYBR TM Green I & II SYBR Gold SYPRO Ruby SYPRO Orange FITC FAM TM EGFP ECFP AttoPhos TM Pro-Q TM Emerald 488	Silver CBB NBT/BCIP X-ray film