

Manufacturer
GE Healthcare

Model
ImageQuant LAS 4000 mini



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 Coomassie 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.



Gel Documentation

	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™ 488 Cy™2 SYBR™ Green I & II SYBR Gold SYPRO Ruby SYPRO Orange FITC FAM™ EGFP ECFP AttoPhos™ Pro-Q™ Emerald 488	Silver CBB NBT/BCIP X-ray film