

Specifications for Gel Documentation system

Image Resolution: >4 megapixels for resolving closely spaced bands on a gel or blot. Image data should be reproducible without imaging artifacts, providing superior image uniformity and quantitation.

The Gel documentation system should be equipped with Stain-Free sample tray to reduce 2 hr coomassie staining procedure to 5 min stain and image step.

Gel size: Mini and Midi upto 12x15 cms or more.

Pixel size 4.6 x 4.6 μm .

Linear dynamic range >3.0 orders for all samples

Gel Doc system should require no camera adjustments for image acquisition so user does not have to zoom, focus, adjust aperture or select light source.

The system should be complete with UV transilluminator or trays for imaging Nucleic acids and white light conversion screen or trays for protein gels. (UV for trans-UV illumination, White for trans-white illumination)

Should have appropriate emission filter needed to accommodate a large portfolio of detection methods: ethidium bromide, SYBR® Green, SYBR® Safe, SYBR® Gold, GelGreen, GelRed, Fast Blast™, SYPRO Ruby, Flamingo™, Oriole™, CY3, rhodamine, green fluorescent protein, Hoechst, Krypton, silver stain, copper stain, zinc stain, Coomassie Brilliant Blue, Coomassie Fluor Orange, and other spectrally similar stains, labels, and dyes.

The system should be complete with Compatible PC and 1D analysis software and Starter kit/reagents for casting at least 50 mini SDS PAGE Gels.

Branded (HP, Dell, Mac, Lenovo or similar brands) Desktop computer (preferably higher or equal to i3 processor) should be provided by the supplier with preloaded software along with original CDs. The monitor for image viewing should be at least 24" screen or better.

Installation and training should be provided at the customer site. Installation requirement should be intimated in advance.

A list of users with full contact details (in India) of the proposed system should be provided.

A minimum of three-years warranty, including one-year standard warranty is required.

Historical data should be provided from current users.

Document on the market share of the company in India should be provided. Proof of authorization from the parent company to sell and service the equipment in India must be supplied by the vendor.