

ECODOC 1

Gel documentation system

- ✓ UV-transparent diffuser window, 10 x 10 cm
- ✓ Switch for dual intensity of UV-light
- ✓ Compact viewing hood
- ✓ Door to manually access gel for band excision
- ✓ Trans-illumination for taking images in the UV range
- ✓ 366 nm UVA tubes (4 W, 4 tubes)



EcoDoc 1

Features of this apparatus

Rugged

- Non-brittle filter made of plastic which does not crack easily
- No solarization i.e., UV-transparency of UV-transparent diffuser window is unchanged over time

High Sensitivity

- Visual detection limit 1 ng per compact band of EtBr stained dsDNA due to intensity of UVA tubes
- UV-transparent diffuser allows 85-90% of the UV to pass through
- Dual (Hi-Lo) mode for viewing. Go to Hi-mode only when required

Safety

- No skin burns or damage to normal retina's as UVA tubes emit light similar to light found outdoors
- Negligible phot-nicking or photo-bleaching of DNA due to use of lower energy UVA tubes

Economical

- Low capital cost and spares
- Does not need costly UV-transparent violet filter

Ready-to-use system includes

1. Lower housing unit with a UV-transparent window
2. Four UVA-tubes of 4 W each
3. A compact hood with attachment for camera
4. Door to manually position and access the gel
5. A digital colour camera with filters and CMOS sensor for capturing high resolution images in low light conditions
6. A switch to select between High-Low UVA light
7. Software for controlling camera via computer
8. Instruction manual

Ordering description

EcoDoc 1 (E3560500): ready-to-use gel documentation system.

Trans-illumination with UVA light source and hi-lo light intensity control, 10 x 10 cm illumination area. Hood fitted with computer controllable 18 MP DSLR camera and filters, and software adapted for EcoDoc.

SUGGESTION

Order along with the system a chroma-filter for viewing the gel without the camera.

EcoDoc and its spares and accessories

Item Description	Cat. No.	Unit
EcoDoc, ready-to-use gel documentation system. Trans-illumination with UVA light source and hi-lo light intensity control, 10 x 10 cm illumination area, with 18 MP DSLR computer controllable camera with acquisition software and analysis software.	E3560500	System