EcoSep
www.ecosep.in

ECODOC 2

Gel documentation system

- ✓ **UV-transparent diffuser window, 18 x 15 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 (6 W, 6 tubes)**

EcoDoc 2
(representational image)

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 the intensity of UVA tubes
- UV-transparent diffuser allows 85-90% of the UV to pass through
- Dual (Hi-Lo) mode for viewing.

Safety
- No skin burns or damage to normal retinas, as UVA tubes emit light similar to light found outdoors
- Negligible photo-nicking or photo-bleaching of DNA due to the 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. Six UVA-tubes of 6 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 2 (E3561000)**: ready-to-use gel documentation system.*
Trans-illumination with UVA light source and hi-lo light intensity control, 18 x 15 cm illumination area. Hood fitted with computer 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, 18 x 15 cm illumination area, with 18 MP DSLR computer controllable camera with acquisition software and analysis software	E3561000	System