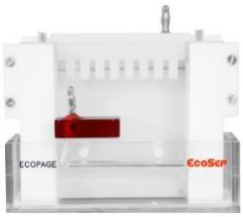

EcoSep

Economic Separations

www.ecosep.in

Horizontal Electrophoresis Apparatus
Vertical Electrophoresis Apparatus
Electroblotting Apparatus
Gel-Documentation
Power Supplies
Micropipettes
Minipipettes
pH Meters

Gel Documentation System Product Catalog

EcoSep
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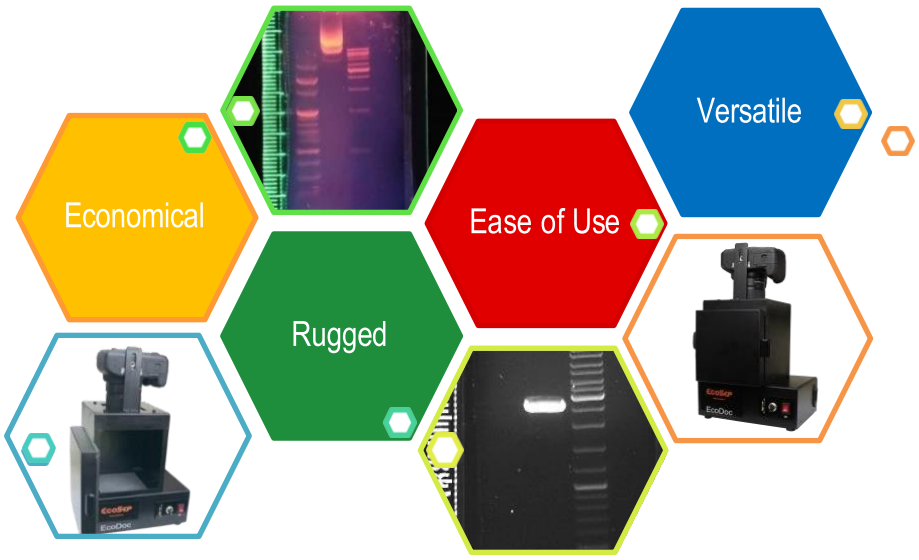
ECONOMIC RANGE
GEL DOCUMENTATION SYSTEMS
SALIENT FEATURES



Rugged
- Rust-free aluminium body with high-quality powder coating is used
- Long life tubes > than 3000 hours of operation without damaging the filter or tubes
- No corrosion of filters or rusting as high-quality materials have been used

Ease of use
- Computer controllable camera with multiple user facility
- Simple camera alignment
- Small size of the base occupies less space on the lab bench and allows easy access and movement.

Economical
- Smaller filters and tubes to reduce cost
- Simple DSLR camera to ensure low cost but great performance
- PMMA filters for UVA tubes
- Saves cost as simple components and spares are used.

Versatile
- Can be operated with any camera that can accept 58 mm filters
- Upgradable to multiple types of UV wavelengths and different types of bandpass filters
- Easy to change low-cost filters for different DNA-binding dyes

Manufactured and Marketed by
TechResource

188, Nagdevi Street, 2nd Floor, Mumbai 400003.
www.techresource.in sales@techresource.in
Tel: (+91) 9819095429 | (+91) 7798384170

ECONOMIC RANGE
GEL DOCUMENTATION SYSTEMS
SELECTION GUIDE

Model	Window Size		No. of UVA tubes	UV tube wattage	Camera type	Camera MP	White light source
	width (cm)	depth (cm)					
ECODOC 1 E3560500	10	10	4	4 W each	Computer controllable	18 MP	Optional
ECODOC 2 E3561000	18	15	6	6 W each	Computer controllable	18 MP	Optional

All EcoDocs come along with a red filter on the camera. For visualizing dyes other than EtBr, enquire by sending us an email at sales@techresource.in regarding the filter required.

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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 solarisation i.e., UV-UV-transparency of UV-diffuser window is unchanged over time

High Sensitivity
- Visual detection limit 1ng 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. Lo mode prevents DNA nicks

Safety
- No skin burns or damage to 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 a 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

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

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 an 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 the camera via a 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 a 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

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