runDOC is a portable, lightweight gel documentation system designed exclusively for use with runVIEW. runDOC comprises a darkroom hood and a high resolution digital camera to capture images of

nucleic acid gels stained with EtBr, SYBR and runSAFE. Its 12.1 megapixel camera with 2GB memory card allows storage of images in RAW and JPEG formats.

The runDOC darkroom is placed quickly and easily over the runVIEW gel tank located on the runVIEW base unit, which includes an integrated power supply and blue LED gel illuminator. The blue LED illuminator provides the excitation source for the DNA gel located within the tank, and following excitation the light emitted is then visualised using either one of the bluVIEW lid options (supplied and used with the runVIEW gel tank) or the runDOC filter slide. The interchangeable filter slide and bluVIEW filter options offer full flexibility: amber filter for runSAFE, SYBR and green fluorescence; and orange filter for EtBr and red fluorescence.

runDOC may be also used like an ordinary gel documentation

system - by placing the gel tray directly on the runVIEW base station, which acts as a transilluminator. runDOC is available as a complete system with laptop and software.

## runSAF

The runSAFE Range comprises four non-mutagenic stains that produce instant visualisation of DNA bands upon irradiation with blue light or UV in agarose or polyacrylamide gels. Each stain is conveniently supplied in a 6x loading dye which is mixed with 5 parts double-stranded DNA before loading onto an agarose or polyacrylamide gel. The individual colour constituents within each loading dye track electrophoresis run progression, and indicate the extent of band separation and resolution by comigrating with DNA bands of known molecular size, which varies according to the gel percentage. All four stains are non-toxic, safe for the environment and can be disposed of in the regular laboratory waste without using expensive decontamination methods. Each stain is sensitive and binds DNA to detect as little as 0.2ng DNA per band within a gel; while gel imaging is best performed using the amber emission filter found of the bluVIEW lid or runDOC filter slide. The runSAFE Range comprises the following:

- runSAFE general purpose stain for DNA ranging from 50bp markers to large super-coiled plasmid
- runSAFE-PLUS500 for DNA larger than 500bp in size;

PCR Plasmid Products 10000 Novel Juice 1000 EtBr/UV CFU ----100 10 30 15 45 60 120 **Blue LED System** re Time (sec)

Slower migrating species, indicative of a linear or relaxed circular vector, resulting from DNA nicking or strand breaks, are significantly reduced in DNA plasmid mixed with run-SAFE and exposed to blue light. The concentration of nicked DNA plasmid increases significantly after 8' of exposure to EtBR and UV irradiation.

- runSAFE-2000 for DNA vectors and inserts ranging from 500-2000bp;
- runSAFE-500 for small DNA fragments, PCR products, sequence tracts and primers less than 500bp.

Hood is positioned over the runVIEW tank and base unit to create a light-tight environment suitable for image capture



BLUVIEW LID OPTIONS\* BLUVIEW-AMBER FOR SYBR AND RUNSAFE

## DARK ROOM

Түре

SENSOR

LENS

CAMERA HOLDER MATERIAL	POLYOXYMETHYLENE (POM)
Darkroom Material	EBONY ACRYLIC
DIMENSIONS / WEIGHT	40x34x19.5см (HxWxD) / 0.8кg
Power	Rechargeable Li-ion battery and plug-in charger Optional mains cable charger

\*ONLY WITH RUNVIEW

- SAFE ALL FOUR RUNSAFE STAINS HAVE ULTRA-LOW TOXICITY (LC>5000mg/kg) and lack CELL PERMEABILITY
- CONVENIENT EACH STAIN IS SUPPLIED AS A READY TO USE 6X LOADING DYE; SIMPLY ADD 1 PART STAIN TO 5 PARTS DNA, MIX AND LOAD YOUR GEL
- FAST NO TIME-CONSUMING POST-STAINING OR DE- STAINING OF GELS IS REQUIRED.
- SENSITIVE VERY LOW BACKGROUND STAINING OF THE GEL; DETECTS AS LITTLE AS 0.2NG DNA PER BAND
- FLEXIBLE EACH STAIN MAY BE USED WITH BLUE OR UV LIGHT

Ordering Information								
	RVGELDOC	runVIEW Gel Documentation Hood with 12.1MP cam	iera	RVGELDOC-F2	Amber Filter for runDOC	(runSAFE and SYBR stains)		
	RVGELDOCSYS	runVIEW Gel Documentation Hood with camera, lapter	qc	CAMCHARGER	Optional Mains Charger (	Cable for 12.1MP camera		
		& 1D Analysis Software		RVSTATION	runSTATION complete wit	th RVGELDOC and RVMSCHOICETRIO		
	RVGELDOC-F1	Orange Filter for runDOC (Ethidium Bromide)		RVGDCOMPLETE	runVIEW Package includi	ng RVGELDOCSYS and RVMSCHOICETRIO		
	runSAFE	Description	Tracking Dyes			Size Range		
	RUNSAFE	runSAFE Stain, 1ml	Bromophenol Blue	, Xylene Cyanol FF, O	range G	50bp – 20Kb		
	RUNSAFE-PLUS500	runSAFE-PLUS500 Stain, 1ml	Bromophenol Blue	, Xylene Cyanol Blue		>500bp		
	RUNSAFE-2000	runSAFE- 2000, 1ml	Xylene Cyanol Blue	e, Orange G		500-2000bp		
	RUNSAFE- 00	runSAFE-500, 1ml	Orange G			<500bp		
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runSAFE Range - Less DNA damage, improved cloning efficiency

NEW