

# runVIEW



runVIEW is an **innovative** system that combines blue LED lighting and an inbuilt power supply to create a **real time** electrophoresis system

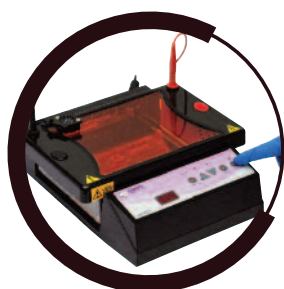
# runVIEW

## Real Time Electrophoresis

runVIEW systems consists of a multiSUB gel chamber with special bluVIEW lid, containing an orange spectral emission filter within its viewing pane, plus a base unit with integrated power supply and blue LED gel illuminator.



**place the gel tank** and agarose gel onto the base station



**load samples** as with the standard MSCHOICE tank



**fit the bluVIEW lid** and start the run to observe band in real time

- Power supply integrated within the base unit - adjustable in precise 1V or 1mA increments to a maximum 150V or 300mA constant voltage or current output; timer function to 999 minutes for extended runs
- Specialist combs for specialist applications - double-sided 1mm preparatory combs (1-/2-sample and 4-/16-sample standard) included for nucleic acid recovery, plus four multichannel compatible 20-/28-sample combs for rapid screening of nucleic acids from 96-well thermal cycler blocks and microtitre plates. Extra thick 3mm preparatory combs also included for enhanced DNA recovery.

Original runVIEW CHOICE consists of an multiSUB CHOICE gel chamber with special bluVIEW lid, containing an orange spectral emission filter within its viewing pane, plus a base unit with integrated power supply and blue LED gel illuminator.

### **Track DNA without harmful UV**

UV light can cause detrimental effects to the structure of DNA, meaning DNA extracted from UV imaged gels have significantly lower yields in downstream applications such as cloning and sequencing. Blue light, at a high wavelength massively increases downstream yield in comparison to UV when used for gel visualisation. Not only does the runVIEW system allow increased downstream reliability, it also protects the user from exposure to UV light, and provides a real time view of DNA migration, meaning constant check using gel documentation systems are no longer required.

### **No expensive commercial gels**

runVIEW works with standard EtBr, SYBR Green and SYBR Safe gels cast within the 15x7, 15x10 or 15x15cm CHOICE gel trays, and therefore does not require expensive precast gels and accessories.

### **A self-contained system**

The base unit, which houses the in-built power supply and blue LED gel illuminator, is compact, dual-voltage and portable, and allows electrophoresis, gel visualisation and extraction to be performed at the bench, without the inconvenience of having to transport gels to a darkroom elsewhere within the laboratory. major power supplies, adapters are available to provide complete compatibility.

# runVIEW choice



Three models comprise the runVIEW series, the original runVIEW™ CHOICE, plus runVIEW™ MINI and MIDI. All systems benefit from the blue light illumination of fluorescently stained agarose gels to allow users to view the size fractionation of nucleic acids in real-time. While runVIEW™ CHOICE features a power supply integrated within the base unit, for runVIEW™ MINI and MIDI, an

adjustable blue-light illuminator platform accommodates both the MINI and MIDI electrophoresis tanks. Band visualisation is achieved through the corresponding lid containing an orange spectral emission filter. Each lid remains free of condensation through a built-in extractor fan.

# runVIEW mini&midi

RunVIEW™ MINI and MIDI are ideal for quick checks of low to medium numbers of samples following PCR and cloning.



runVIEW MIDI



Blue light source features a sliding panel to accommodate both MINI and MIDI units

- runVIEW™ CONVERTER package - with emission filter lid and blue light illuminator, to allow standard MSMINI and MSMIDI units to be converted to real-time electrophoresis
- runVIEW™ STANDARD package - includes blue light illuminator, and runVIEW™ MINI or MIDI tank, for those users with their own power supply
- Blue light is completely safe to both operator and DNA alike, and results in improved cloning efficiency compared to UV
- Emission filter lid with built-in extractor fan enables condensation-free viewing of gels

# runDOC

- All-in-one system – the runDOC and runVIEW provide a complete real-time electrophoresis and imaging system
- Traditional gelDOC – the 18 megapixels CMOS camera of the runDOC enables to capture high resolution publication quality images using the runview base as a transilluminator
- Versatile - interchangeable filter slides and bluVIEW filter allow to capture images of DNA bands stained with a variety of safe stains such as runSAFE, SYBR green, Et-Br etc.

runDOC is a portable, lightweight gel documentation system with small footprint, designed exclusively for use with runVIEW.

The runDOC is designed exclusively to fit and complement the runVIEW to provide a complete real-time electrophoresis and imaging system. It comprises a lightweight darkroom hood and a high resolution 18 megapixel digital camera to capture images of nucleic acid gels stained with for example Et-Br, SYBR and runSAFE.



CSL-RVSTATION

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

## TECHNICAL SPECIFICATIONS

Camera*	
Type	1/1.7 Type Cmos Sensor With Digi4+ Processor
Lens Type	Ef-S 18-55mm
Effective Pixels	18 MegaPixels
Maximum Aperture	F/3.5 (W) - F/5.6 (H)
Shutter Speed	30 - 1/4000s. (Total Range)
Camera Filter	+3 Close Up
runDOC Filter Slide	Orange Filter for EtBr; Amber Filter for SyBr And Runsafe
Storage Media	8GB SD Memory Card
Dark Room	
Darkroom Material	Ebony Acrylic
Dimensions / Weight	40x34x19.5cm (HxWxD) / 0.8kg
Power	Rechargeable Li-Ion Battery and Plug-In Charger Optional Mains Cable Charger
* Please be aware that Camera specification is subject to change	

## TECHNICAL SPECIFICATIONS

### RUNVIEW CHOICE VIEWING DOCK

Blue Light Wavelength	470nm	Timer	1-999 minutes with alarm
Voltage/ Resolution	25-150V / 1V	Safety Device	No load detection
Current/ Resolution	300mA / 1mA	Operating Temperature	Ambient to 40°C
Power	30W	Dimensions	293 x 220 x 80 mm
Operating Mode	Constant Voltage or Current	Rated Voltage	100-240V, 50/60Hz

### RUNVIEW GEL SYSTEM

Gel Dimensions (W x L)	15 x 7, 15 x 10 and 15 x 15cm	Combs	2x 1-sample / 2-sample preparatory; Included Double-sided combs, 2x 4-sample preparatory / 16-sample combs; 4x 20- / 28-sample multichannel compatible screening (1mm); plus 2x 4- and 2x 6-sample preparatory with loading guides (3mm)
Unit Dimensions (W x D x H)	6.5 x 17.5 x 9cm	Comb Thickness	1mm, 3mm
Buffer volume	500ml		
runVIEW Lid Design	Orange spectral emission filter with condensation-free viewing pane		

## ORDERING INFORMATION

Cat. No.	Description
<b>CSL-RVMSCHOICE7</b>	<b>runVIEW® CHOICE</b> complete with 15 x 7cm gel tray & 2x 1 sample, 2x 2 sample, 2x 4 sample, 4x 28MC sample 1mm combs; plus 2x 4- and 2x 6-sample 3mm preparatory
<b>CSL-RVMSCHOICE10</b>	<b>runVIEW® CHOICE</b> complete with 15 x 10cm gel tray & 2 x 1 sample, 2x 2 sample, 2x 4 sample, 4x 28MC sample 1mm combs; plus 2x 4- and 2x 6-sample 3mm preparatory
<b>CSL-RVMSCHOICE15</b>	<b>runVIEW® CHOICE</b> complete with 15 x 15cm gel tray & 2x 1 sample, 2x 2 sample, 2x 4 sample, 4x 28MC sample 1mm combs; plus 2x 4- and 2x 6-sample 3mm preparatory
<b>CSL-RVMSCHOICETRIO</b>	<b>runVIEW® CHOICE</b> complete with 15x7cm, 15x10 & 15x15 gel tray & 2x1 sample, 2x2 sample, 2x4 sample, 4x28MC sample 1mm combs; plus 2x 4- and 2x 6-sample 3mm preparatory
<b>CSL-RVMSMINI-S</b>	<b>CSL-RVBSBVLID-MINI plus MSMINIDUO tank</b> with 7x7 & 7x10cm trays, 1 set of casting dams and 2x 8-sample combs
<b>CSL-RVMSMIDI-S</b>	<b>CSL-RVBSBVLID-MIDI plus MSMIDIDUO tank</b> with 10x7 & 10x10cm trays, 1 set of casting dams and 2x 16-sample combs
<b>CSL-RVSTATION</b>	<b>runSTATION</b> complete with RVGELDOC and RVCHOICETRIO
<b>CSL-RVMSBSBVLID</b>	<b>runVIEW Base Station &amp; bluVIEW Lid</b>

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