

# omnipage

- INJECTION MOULDED CONSTRUCTION
- COMPATIBLE WITH ALL 8 x 10 AND 10 x 10CM PRECAST GELS
- RAPID GEL CASTING AND LOADING
- LOW BUFFER VOLUMES
- RAPID SET UP COOLING
- RUN UP TO FOUR GELS IN TETRAD MODEL, SEE PAGE 38

MINI VERTICAL



For TETRAD systems, see page 38

casting base

gel release tool



## MINI TETRAD

A 4-gel Mini TETRAD system is created by simply introducing additional plates with spacers and appropriate combs. TETRAD10 is supplied with a casting base and external casting upstand to allow gels to be prepared in advance, ready for the next run.

## Technical Specifications

PLATE DIMENSIONS,	10 x 10cm	
GEL DIMENSIONS,	7.5 x 8cm (W x L)	
UNIT DIMENSIONS	19 x 13 x 15cm (W x D x H)	
MAX. SAMPLE CAPACITY	80 SAMPLES, 20 SAMPLES PER GEL	
BUFFER VOLUME	Min 250mL;	Max 1200mL
COMBS AVAILABLE :		
No. OF SAMPLES	1, 5, 8MC, 9, 10, 12, 16MC, 20	
THICKNESSES	0.75, 1, 1.5, 2mm	

The preferred unit for routine mini protein electrophoresis, **omnipAGE mini is constructed using the latest injection moulding manufacturing techniques.** This gives a high quality, low cost product with unsurpassed finish, durability and strength. The unit incorporates a sealing system which is compatible with all major types of 8 x 10cm and 10 x 10cm precast gel.

Gel casting and running utilise the same module, no transfer of glass plates during gel casting is necessary. The module contains the option of sliding clamps or just one screw per clamping bar side (both supplied), allowing very rapid set up of both hand cast and precast gels. Ultra soft silicone seals and pressure bars which surround the glass plates guarantee leak proof gel casting. 2mm thick glass plates minimise breakage and have bonded spacers for convenience.

Accessory electroblotting and tube gel modules are available which use the same outer tank and lid.

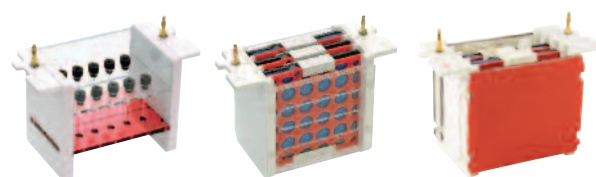
For extended cooling of the buffer chamber a factory fitted cooling coil option is available. This allows the connection to a recirculating chiller. If required, please add '-CC' to the appropriate product code.

## Typical Applications

Mini SDS PAGE, Native PAGE, Gradient, Second dimension and Nucleic acid separations

## interchangeable MODULES

omnipAGE Mini blotting and capillary tube gel modules may be used with the same tank and lid to adapt an Mini Standard or Tetrad system for fast, high-quality electroblotting of mini gels and for reproducible 2-D electrophoresis, respectively. These modules are available as part of stand-alone options or as fully integrated electrophoresis systems.

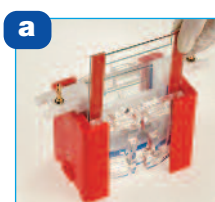


## ORDERING INFORMATION

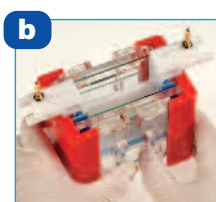
BCVS10D	<b>omnipAGE Mini</b> , 10 x 10cm includes Glass Plates with bonded 1mm thick spacers, 2x 12 sample combs, cooling pack, dummy plate		
BCVS10DSYS	<b>omnipAGE Mini</b> , 10 x 10cm incl. Glass Plates with bonded 1mm thick spacers, 2x 12 sample combs, cooling pack, dummy plate and casting base		
BCVS10DSYS-CU	<b>omnipAGE Mini</b> , 10 x 10cm incl. Glass Plates with bonded 1mm thick spacers, 2x 12 sample combs, cooling pack, dummy plate, casting base and casting upstand (see page 45)		
BCVS10PRE	<b>omnipAGE Mini</b> , 10 x 10cm includes dummy plate, cooling pack		
VS10DCAST	10 x 10cm Casting Base	VS10PGS1	10 x 10cm Plain Glass Plates with 1mm Bonded Spacers (pk/2)
VS10DCASTM	Replacement Silicone Mat for 10 x 10cm Casting Base	VS10NGS1.5	10 x 10cm Notched Glass Plates with 1.5mm Bonded Spacers (pk/2)
VS10EXCASTER	External Casting Upstand - No Casting Base	VS10PGS1.5	10 x 10cm Plain Glass Plates with 1.5mm Bonded Spacers (pk/2)
VS10DIRM1	Inner Running Module, with Sliding Clamps and Screw Clamps	VS10NGS2	10 x 10cm Notched Glass Plates with 2mm Bonded Spacers (pk/2)
VS10ICB	Mini Cooling Pack	VS10PGS2	10 x 10cm Plain Glass Plates with 2mm Bonded Spacers (pk/2)
VS10NG	10 x 10cm Notched Glass Plates 2mm thick (pk/2)	VS10DP	Dummy Plate, 10 x 10cm
VS10PG	10 x 10cm Plain Glass Plates 2mm thick (pk/2)	VS10S0.75	10cm Spacers - 0.75mm (pk/2)
VS10NGS0.75	10 x 10cm Notched Glass Plates with 0.75mm Bonded Spacers (pk/2)	VS10S1	10cm Spacers - 1mm thick (pk/2)
VS10PGS0.75	10 x 10cm Plain Glass Plates with 0.75mm Bonded Spacers (pk/2)	VS10S1.5	10cm Spacers - 1.5mm thick (pk/2)
VS10NGS1	10 x 10cm Notched Glass Plates with 1mm Bonded Spacers (pk/2)	VS10S2	10cm Spacers - 2mm thick (pk/2)

# simple, rapid, leak-proof GEL CASTING....

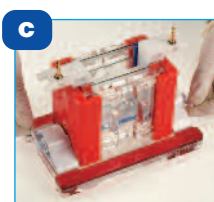
- Dual purpose PAGE module eliminates time-consuming transfer of glass plates between separate casting and running
- Ground glass plates with bonded injection moulded spacers consistent with comb thickness ensure 'clean' well formation, as well as the correct alignment for leak-free casting; also eliminate the need for easily mislaid and awkward to use spacer aligners
- Very forgiving, ultra-soft silicone mat within cam-caster compensates for glass plate misalignment to ensure leak-free casting



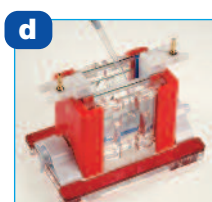
**a** Insert glass plates between pressure frame and gasket



**b** Slide gates to make efficient seal



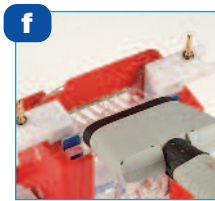
**c** Transfer to casting base and tighten cams



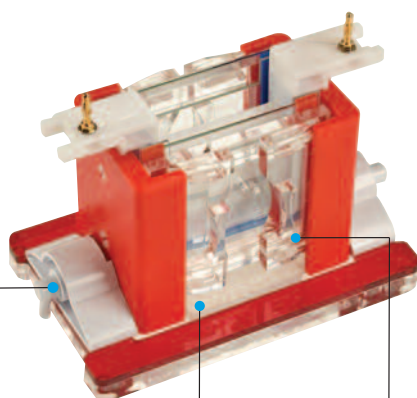
**d** Introduce gel solution and comb and allow to polymerise



**e** Transfer to tank and fill with buffer



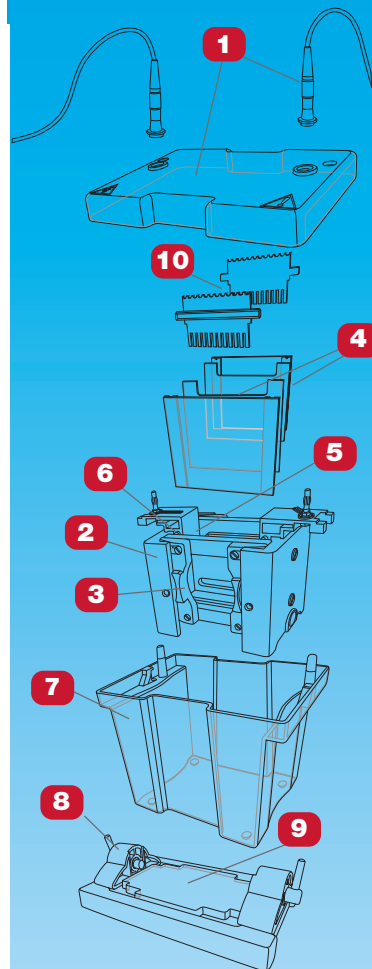
**f** Load samples using Loading Guides and run



Cam pins lock PAGE module onto the ultra-soft silicone mat within the casting base to provide leak-free seal

Flat, level gasket prevents current leakage from inner buffer chamber

Sliding gates allow optimum pressure to be applied and so create leak-free seal



## Mini component parts

- |                         |                           |
|-------------------------|---------------------------|
| 1. Lid and power cables | 6. Gasket                 |
| 2. PAGE module          | 7. Outer tank             |
| 3. Sliding clamps       | 8. Cam-pin caster         |
| 4. Glass plates         | 9. Ultra-soft casting mat |
| 5. Inner buffer chamber | 10. Combs                 |

Colour	CODE	DESCRIPTION	SAMPLE VOLUME PER WELL
Black	VS10-1-0.75	Comb 1 Prep, 1 Marker, 0.75mm thick	500µl
	VS10-5-0.75	Comb 5 sample, 0.75mm thick	70µl
	VS10-8MC-0.75	Comb 8 sample MC, 0.75mm thick	40µl
	VS10-9-0.75	Comb 9 sample, 0.75mm thick	35µl
	VS10-10-0.75	Comb 10 sample, 0.75mm thick	30µl
	VS10-12-0.75	Comb 12 sample, 0.75mm thick	25µl
	VS10-16MC-0.75	Comb 16 sample MC, 0.75mm thick	20µl
	VS10-20-0.75	Comb 20 sample, 0.75mm thick	15µl
White	VS10-1-1	Comb 1 Prep, 1 Marker, 1mm thick	650µl
	VS10-5-1	Comb 5 sample, 1mm thick	100µl
	VS10-8MC-1	Comb 8 sample MC, 1mm thick	60µl
	VS10-9-1	Comb 9 sample, 1mm thick	50µl
	VS10-10-1	Comb 10 sample, 1mm thick	40µl
	VS10-12-1	Comb 12 sample, 1mm thick	35µl
	VS10-16MC-1	Comb 16 sample MC, 1mm thick	25µl
	VS10-20-1	Comb 20 sample, 1mm thick	20µl

Colour	CODE	DESCRIPTION	SAMPLE VOLUME PER WELL
Red	VS10-1-1.5	Comb 1 Prep, 1 Marker, 1.5mm thick	1000µl
	VS10-5-1.5	Comb 5 sample, 1.5mm thick	140µl
	VS10-8MC-1.5	Comb 8 sample MC, 1.5mm thick	80µl
	VS10-9-1.5	Comb 9 sample, 1.5mm thick	70µl
	VS10-10-1.5	Comb 10 sample, 1.5mm thick	30µl
	VS10-12-1.5	Comb 12 sample, 1.5mm thick	50µl
	VS10-16MC-1.5	Comb 16 sample MC, 1.5mm thick	40µl
	VS10-20-1.5	Comb 20 sample, 1.5mm thick	30µl
Blue	VS10-1-2	Comb 1 Prep, 1 Marker, 2mm thick	1300µl
	VS10-5-2	Comb 5 sample, 2mm thick	200µl
	VS10-8MC-2	Comb 8 sample MC, 2mm thick	120µl
	VS10-9-2	Comb 9 sample, 2mm thick	100µl
	VS10-10-2	Comb 10 sample, 2mm thick	80µl
	VS10-12-2	Comb 12 sample, 2mm thick	70µl
	VS10-16MC-2	Comb 16 sample MC, 2mm thick	50µl
	VS10-20-2	Comb 20 sample, 2mm thick	40µl

COMBS, SPACERS AND ACCESSORIES ALSO AVAILABLE IN 0.5MM

MC = multichannel pipette compatible