

# Maxi PAGE

Cat No: VGE-M-003

**MOLEQULE-ON**<sup>®</sup>



## Description

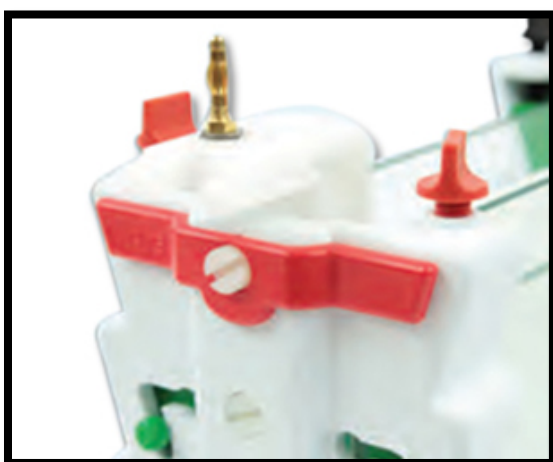
The MOLEQULE-ON 'WAVE' Maxi PAGE System is leading-edge product for large format vertical gel electrophoresis. It is designed to perform a variety of separations, including first and second-dimension SDS-PAGE, native, preparative, gradient and high-resolution nucleic acid electrophoresis, plus capillary tube gel IEF and electroblotting. It is one of the most versatile maxi vertical systems available. By introducing innovative, new vertical screw-clamp technology within the PAGE insert, only four screws are now required to secure as many 20x20cm gels. This much faster set up makes WAVE distinguished when compared to competitor products whose traditional clamping configurations require as many as 24 screws to secure just two glass plates. In addition, the WAVE's vertical screw-clamp configuration distributes pressure evenly along the height of the gel rather than in the center to eliminate plate bowing and gel compression, but still maintains a leak-proof seal during casting. The ergonomic wave-like design of the PAGE insert supports both handling and set up, whatever your requirements are the WAVE can be made to meet them. Regardless of the task, whether it is running 2 or 4 gels, electroblotting, and IEF using capillary tube gels or IPG strips, all of these techniques may be performed using the same unit while retaining the benefits of large format electrophoresis, such as extended separation distances, greater sample throughput and superior resolution.

## Features

- Notched glass plates with bonded spacers allow gel capacity to be doubled from 2 to 4, while dummy plate allows single gels to be run
- Bonded spacers and combs are colour coded for thickness
- Widest selection of combs allow separation of up to 192 samples
- Robust 4-mm-thick glass plates
- Asymmetric lid design and colour-coded screw pins in PAGE insert prevent polarity reversal
- All parts injection molded using durable industrial-grade plastic to guarantee longevity and reliable and consistent performance

## Casting Advantages

- Dual purpose PAGE insert eliminates time-consuming transfer of glass plates between separate casting and running modules
- Ground glass plates with bonded injection molded 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 worthy, ultra-soft silicone mat within cam-caster compensates for glass plate misalignment to ensure leak-free casting.
- Leak-free Casting with Vertical Screw-Pin Technology
- The vertical screw-clamp technology of the WAVE Maxi PAGE insert facilitates fast, leak-proof gel casting.



## Specifications

Number of gels	1- 4
Total Volume Inner Buffer Chamber	640 mL
Total buffer Volume for 2 gels4 gels	5.3L 4.8L
Plate dimensions (w x h x t)	20x20x0.4 cm
Standard run time for SDS-PAGE Without Cooling With Cooling	4-5 hours 3-4 hours
Standard Spacer Dimensions(w x h)	2x20cm
IPG Spacer Dimensions (w x h)	0.6x20 cm
Unit Dimensions (w x d x h)	30x18x27 cm
Weight	2.5Kg
Recommended power supplies	500 volts

## Ordering Information

VS20 WAVE Maxi, 20 x 20cm Dual with Glass Plates with bonded 1mm thick spacers, 2x 24 sample combs, cooling coil, dummy plate and Casting Base

## Instrument Assembly Protocol



Assemble each gel cassette on a flat level surface, by placing the plain glass plate down with the spacers facing upwards followed by the notched glass plate.



Loosen the vertical screw pins in the PAGE insert to release the locking mechanism, allowing the gel clamps to sit in the resting slots.



Insert a gel cassette into each side of the inner buffer chamber in the PAGE insert, and begin tightening the vertical screw-pins until the gel clamps glide out of the resting slots and fix firmly against the glass plates pushing them upright.



Check the bottom of the glass plates to ensure that they are flush together, and place the PAGE insert on the casting base; make sure that the cams are facing downwards.



Insert cams and turn until tightened, drawing the PAGE insert onto the casting to form a leak-proof seal.



Pour in the gel solution, insert the combs and allow the wells to polymerize.



Transfer the PAGE insert to the gel tank. Fill the inner and outer buffer chambers before loading samples



Replace the lid, connect to the power supply and run.

## Accessories

Cat No:	Description
MQ-VS20WAVE-EC	VS20 WAVE External Casting Stand - No Casting Base
MQ-VS20WAVECAST	VS20WAVE Casting Base
MQ-VS20WAVEDIRM	VS20wave Page insert
MQ-VS20WAVE-CC	Detachable Cooling Coil
MQ-VS20DCASTM	Replacement Rubber mats for 20 x 20cm caster.
MQ-VS20ICB	Maxi Cooling Block.
MQ-VS20NG	20 x 20cm Notched Glass Plates 2mm thick ( Pack of 2)
MQ-VS20PG	20 x 20cm Plain Glass Plates 2mm thick ( Pack of 2)
MQ-VS20PGS0.75	20 x 20cm Plain Glass Plates with 0.75mm Bonded Spacers (Pack of 2)
MQ-VS20PGS1	20 x 20cm Plain Glass Plates with 1mm Bonded Spacers ( Pack of 2)
MQ-VS20PGS1.5	20 x 20cm Plain Glass Plates with 1.5mm Bonded Spacers (Pack of 2)
MQ-VS20PGS2	20 x 20cm Plain Glass Plates with 2mm Bonded Spacers (Pack of 2)
MQ-VS20NGS0.75	20 x 20cm Notched Glass Plates with 0.75mm Bonded Spacers (Pack of 2)
MQ-VS20NGS1	20 x 20cm Notched Glass Plates with 1mm Bonded Spacers ( Pack of 2)
MQ-VS20DP	Dummy Plate, 20 x 20cm

MQ-VS20S0.75	20cm Spacers - 0.75mm (Pack of 2)
MQ-VS20S1	20cm Spacers - 1mm thick (Pack of 2)
MQ-VS20S1.5	20cm Spacers - 1.5mm thick (Pack of 2)
MQ-VS20S2	20cm Spacers - 2mm thick (Pack of 2)
MQ-VS20WAVE-IEFKIT	IEF Conversion Kit for 18cm IPG strips and Tube gels
MQ-RPW0.2100	Replacement Platinum Wire 0.2mm - 100cm
MQ-VS20-1-0.75	Comb 1 Prep, 1 Marker, 0.75mm thick
MQ-VS20-5-0.75	Comb 5 sample, 0.75mm thick
MQ-VS20-10-0.75	Comb 10 sample, 0.75mm thick
MQ-VS20-18MC-0.75	Comb 18 sample MC, 0.75mm thick
MQ-VS20-24-0.75	Comb 24 sample, 0.75mm thick
MQ-VS20-30-0.75	Comb 30 sample, 0.75mm thick
MQ-VS20-36MC-0.75	Comb 36 sample MC, 0.75mm thick
MQ-VS20-48-0.75	Comb 48 sample, 0.75mm thick
MQ-VS20-1-1	Comb 1 Prep, 1 Marker, 1mm thick
MQ-VS20-5-1	Comb 5 sample, 1mm thick
MQ-VS20-10-1	Comb 10 sample, 1mm thick
MQ-VS20-18MC-1	Comb 18 sample MC, 1mm thick
MQ-VS20-24-1	Comb 24 sample, 1mm thick
MQ-VS20-30-1	Comb 30 sample, 1mm thick
MQ-VS20-36MC-1	Comb 36 sample MC, 1mm thick
MQ-VS20-48-1	Comb 48 sample, 1mm thick
MQ-VS20-1-1.5	Comb 1 Prep, 1 Marker, 1.5mm thick
MQ-VS20-5-1.5	Comb 5 sample, 1.5mm thick
MQ-VS20-10-1.5	Comb 10 sample, 1.5mm thick
MQ-VS20-18MC-1.5	Comb 18 sample MC, 1.5mm thick
MQ-VS20-24-1.5	Comb 24 sample, 1.5mm thick
MQ-VS20-30-1.5	Comb 30 sample, 1.5mm thick
MQ-VS20-36MC-1.5	Comb 36 sample MC, 1.5mm thick
MQ-VS20-48-1.5	Comb 48 sample, 1.5mm thick
MQ-VS20-1-2	Comb 1 Prep, 1 Marker, 2mm thick
MQ-VS20-5-2	Comb 5 sample, 2mm thick
MQ-VS20-10-2	Comb 10 sample, 2mm thick
MQ-VS20-18MC-2	Comb 18 sample MC, 2mm thick
MQ-VS20-24-2	Comb 24 sample, 2mm thick
MQ-VS20-30-2	Comb 30 sample, 2mm thick
MQ-VS20-36MC-2	Comb 36 sample MC, 2mm thick
MQ-VS20-48-2	Comb 48 sample, 2mm thick
MQ-VS20-x-LG	Loading guides for maxi vertical combs, X = comb well number
MQ-VS20LID	VS20 lid (No cables)
MQ-VS20TANK	VS20 Tank
MQ-CSL-CAB	Electrophoresis cable (Black & Red)