

# Mini Horizontal Gel Electrophoresis System

## MJ-105A MT-108

### For MJ-105A

The MJ-105A horizontal electrophoresis system offers many advantages for nucleic acid separation. Agarose gels are convenient to cast and samples are easy to load with this recognizable mini horizontal cell. Its molded design prevents cracks and leakages and the sturdy PC provides a 130°C temperature capacity. The safety interlock cover is designed to prevent electrical hazards during electrophoresis. It is ideal for several applications, including Northern and Southern blotting, Cosmid library restriction analysis, STS screening, microsatellite analysis, PCR fragment analysis, RFLP analysis, DNA finger-printing and high throughput analysis.

### For MT-108

MT-108 horizontal electrophoresis units offer many advantages for nucleic acid separation. Agarose gels are easy to cast and samples are easy to load. MT-108's longer tray allows running of bigger fragments to attain higher resolution. Its molded design prevents cracks or leakages, and its sturdy PC provides a temperature capacity of up to 130°C. A safety interlocking cover is designed to prevent electrical hazards during electrophoresis runs. It is ideal for many applications, including Northern and Southern blotting, Cosmid library restriction analysis, STS screening, Microsatellite analysis, PCR fragment analysis, RFLP analysis, DNA fingerprinting and high-throughput analysis.



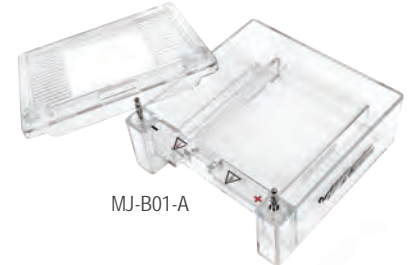
MJ-105A

MJ-105A is offered as a complete system for the user to cast, and run electrophoresis. including:

- 1 x Transparent tank and transparent lid
- 2 x MJ-G01 (Gel Maker Stand)
- 2 x MJ-T02 (107x60mm Tray)
- 4 x MJ-T01 (52x60mm Tray)
- 1 x MJ-C01 (Double side comb: 8 teeth x 2 & 17 teeth; 12 teeth x 2 & 25 teeth)
- 1 x MT-C03 (Multiple pipette compatible 23 teeth, Prep 1 & Marker 2, Prep 2 & Marker 2; 6 teeth x 2 for mini gel & 12 teeth for midi gel)
- 1 x Black & red electrophoresis cable



Multichannel pipette compatible



MJ-B01-A



### Features

- Less agarose consumption
- Less running buffer consumption
- Multichannel pipette-compatible
- Single molded tank
- Safety & Ventilation lid
- High temperature capability, 130°C
- Easy sample loading
- Great indications for gel making and running
- No tapes, clamps or springs needed for gel casting
- No direct heat impact from power supply unit

### For MJ-105A additional features

- Transparent tank and lid
- Real time observation with MBE-300
- Contains 2 sets of gel maker stand
- Cast 6 pcs of agarose gel in one time

### For MT-108 additional features

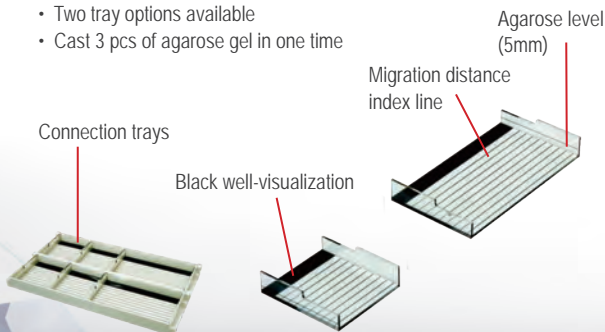
- Two tray options available
- Cast 3 pcs of agarose gel in one time



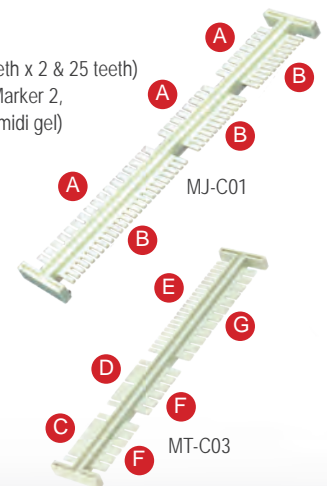
MT-108

MT-108 is offered as a complete system for the user to cast, and run electrophoresis. including:

- 1 x Snow tank and transparent lid
- 1 x MT-G01 (Gel Maker Stand)
- 1 x MT-T01 (105x83mm Tray)
- 2 x MT-T02 (50x83mm Tray)
- 1 x MJ-C01 (Double side comb: 8 teeth x 2 & 17 teeth; 12 teeth x 2 & 25 teeth)
- 1 x MT-C03 (Multiple pipette compatible 23 teeth, Prep 1 & Marker 2, Prep 2 & Marker 2; 6 teeth x 2 for mini gel & 12 teeth for midi gel)
- 1 x Black & red electrophoresis cable



	Cat. No.	Tooth Thickness	Tooth Width	Sample Volume for a 5mm thick gel (ul)
A	MJ-C01	1.0mm	4.0mm	20
B	MJ-C01	1.5mm	2.8mm	21
C	MT-C03	1.0mm	36.0mm	180
D	MT-C03	1.0mm	17.0mm	85
E	MT-C03	1.0mm	3.0mm	15
F	MT-C03	1.0mm	6.0mm	30
G	MT-C03	1.0mm	6.5mm	32.5

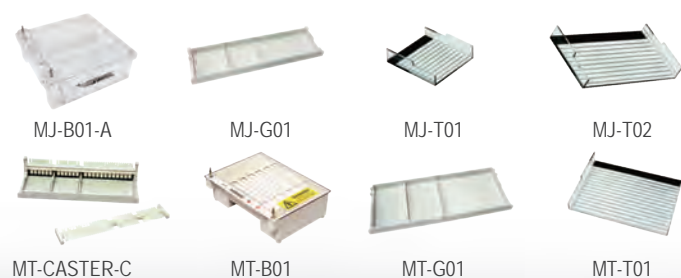


## Specification

Cat. No	MJ-105A	MT-108
Appearance	Transparent tank & transparent lid	Snow tank & transparent lid
Material	PC (Polycarbonate)	
Lid Material	PC (Polycarbonate)	AS (Acrylonitrile-Styrene Copolymer)
Temperature Capacity	130°C	
Transparent Lid	Safety ventilation design	
Gel Dimension (WxL)	4.2"x2.4" (107x60mm)	4.1"x3.3" (105x83mm)
	2.1"x2.4" (52x60mm)	2"x3.3" (50x83mm)
Tray	Black well-visualization strip	
	Migration distance index line	
	Agarose level, 0.2" (5mm)	
Rapid Casting Gel	Use gel maker stand	
Maximum Gel Thickness	0.39" (10mm)	
Maximum Sample	25 samples	
Buffer Volume	0.05gal (200ml)	0.11gal (400ml)
Operating Temperature	4 - 40°C	
Dimension (WxLxH)	5.8"x5.7"x2.3" (148.3x145.8x59.1mm)	5.4"x7.4"x2.3" (136x188x58mm)
Weight	Approx. 1.1lb (0.5kg)	Approx. 1.5lb (0.7kg)

## Accessories

Cat. No	Product Description
<b>MJ-105A Accessories</b>	
MJ-B01-A	Transparent tank and lid, without accessories
MJ-LID-AM580	580nm amber filter lid with fan, suitable for MJ-105A
MBE-LID-AM580	An inclined 580nm amber filter, suitable for MBE-200 and MBE-300
MJ-G01	Gel maker stand
MJ-T01	52x60mm Tray
MJ-T02	107x60mm Tray
MJ-C01	Analytical comb (8 teeth x 2 for mini gel & 17 teeth for midi gel (thickness: 1.0mm), 12 teeth x 2 for mini gel & 25 teeth for midi gel (thickness: 1.5mm))
MT-C03	Analytical comb 1.0mm-thick (multiple pipette compatible 23 teeth, Prep 1 & Maker 2, Prep 2 & Maker 2 on one side; 6 teeth x 2 for mini gel & 12 teeth for midi gel on the other side)
MBE-150-CABLE	Threaded Black and Red Electrophoresis Cable
MJ-CASTER-C	2 x MJ-G01; 4 x MJ-T01; 2 x MJ-T02; 1 x MJ-C01 and 1 x MT-C03
MBE-HOOD	Synthetic paper hood
<b>MT-108 Accessories</b>	
MT-B01	Wide Mini Tank and lid, without accessories
MT-G01	Gel maker stand
MT-T01	105x83mm Tray
MT-T02	50x83mm Tray
MJ-C01	Analytical Comb (8 teeth x 2 for mini gel & 17 teeth for midi gel (thick: 1.0mm), 12 teeth x 2 for midi gel & 25 teeth for midi gel (thick: 1.5mm))
MT-C03	Analytical Comb 1.0mm-thick (multiple pipette compatible 23 teeth, Prep 1 & Maker 2, Prep 2 & Maker 2 on one side; 6 teeth x 2 for mini gel & 12 teeth for midi gel on the other side)
MT-P01	Electrophoresis Cable (black and red) for MT-108 only
MT-CASTER-C	1 x MT-G01; 1 x MT-T01; 2 x MT-T02; 1 x MJ-C01 and 1 x MT-C03



## Ordering Information

Cat. No	Product Description
MJ-105A	Transparent Mini Horizontal Electrophoresis System
MT-108	Wide Mini Horizontal Electrophoresis System



MJ-105A + MP-100



MJ-105A + MP-100 + MBE-300



MT-108 + MP-100



MJ-105A + MBE-300



MBE-HOOD



MJ-LID-AM580



MBE-LID-AM580



MJ-C01



MT-C03



MBE-150-CABLE



MT-T02



MT-P01



MJ-CASTER-C

\* All images are for reference only, actual products might differ from the pictures above.  
\* Technical specifications subject to change without notice.