

# SE260 Mighty Small II Deluxe Mini Vertical Electrophoresis Unit

Combines the advantages of small format and efficient cooling for rapid screening of proteins and nucleic acids



## Technical Specifications

Glass Plate Size (w x h)	. . . 10 x 10.5 cm or 10 x 8 cm
Spacers	. . . . . 0.75 mm, 1.0 mm, 1.5 mm
Maximum Power Settings	. 500 V, 500 mA, 12 W
Maximum Temperature	. . . . 45°C
Indoor Use	. . . . . 4-40°C
Humidity	. . . . . Up to 80%
Unit Dimensions (w x h x d)	. . . 16.5 x 18 x 16 cm
Safety Certifications	. . . . . EN61010-1, UL61010A-1, CSA C22.2 1010.1, CE

## Advantages

Maximum glass plate size 10 x 10.5 cm

Flexible design, additionally able to accommodate 10 x 8 cm format with optional accessories

Supports a wide variety of precast gels

Efficient active cooling ensures sharp bands

Run up to two gels (maximum 30 samples) at one time under identical conditions

Quick and easy to assemble

Choose from a wide variety of accessories (see page 31)

## Ordering Information

Cat. #	Description
SE260-10A-.75	Mighty Small II Deluxe Mini Vertical Electrophoresis Unit, <b>Complete</b>

### Complete Unit Includes:

- Lower Buffer Chamber
- Upper Buffer Chamber/Cooling Core
- Safety Lid with High Voltage Leads
- Casting Cradle w/Sealing Gasket Set
- Casting Clamp Assemblies—2 pcs
- Cams—4 pcs
- Glass Plates, Rectangular, 10 x 10.5 cm—10 pcs
- Alumina Plates, Notched, 10 x 10.5 cm—5 pcs
- Spring Clamps—4 pcs
- Combs, 10 well, 0.75 mm thick—2 pcs
- T-Spacers, 0.75 mm thick—4 pcs
- Well Locating Decals—2 pcs
- Gel Seal

Cat. #	Description
SE260-10A-1.5	Mighty Small II Deluxe Mini Vertical Electrophoresis Unit, <b>Complete</b>

**Complete Unit Includes:** The same as above with 1.5 mm thick combs and spacers.

Cat. #	Description
SE260B	Mighty Small II Deluxe Mini Vertical Electrophoresis System, <b>Basic</b>

**Basic Unit Includes:** The same as above without the combs, spacers, plates, and caster. Order two SE211A combs, two sets of 10.5 cm long spacers, 10 x 10.5 cm rectangular glass and notched alumina plates, and a gel caster.

# Gel Casters—Small Format Vertical Electrophoresis

Enables several gradient or homogenous gels to be cast simultaneously



## Multiple Gel Casters

- Pour uniform gels from the top; pump gradient gels into an inlet port at the bottom of the unit
- Sandwiches fill at the same time at the same rate from the same solution. The result: identical gels.
- Glass plate sandwiches seal leak free without the use of messy grease or tape
- Once cast, gels can be wrapped in plastic and refrigerated for several weeks

## Ordering Information

Cat. #	Description
SE215	Ten Gel Caster for 10 x 8 cm plates Includes: 10 x 8 cm Rectangular Glass Plates—20 pcs 10 x 8 cm Notched Alumina Plates—10 pcs Spring Clamps—2 pcs
SE275	Four Gel Caster for 10 x 8 cm plates Includes: 10 x 8 cm Rectangular Glass Plates—10 pcs 10 x 8 cm Notched Alumina Plates—4 pcs Spring Clamps—2 pcs
SE235	Four Gel Caster for 10 x 10.5 cm plates Includes: 10 x 10.5 cm Rectangular Glass Plates—5 pcs 10 x 10.5 cm Notched Alumina Plates—4 pcs Spring Clamps—4 pcs

### All three above include:

- Caster Body with Gasket
- Face Plate with Inlet Port
- Rectangular Glass Plates—size and qty varies
- Notched Alumina Plates—size and qty varies
- Spring Clamps—qty varies
- Wax Paper—100 sheets
- Space-Saver Plate
- Polycarbonate Filler Sheets—5 pcs
- Black Vinyl Cap
- Filler Plug Set

Order SE211A combs and spacers separately.

## Dual Gel Caster

- Cast one or two gels
- Accommodates both 10 x 8 cm and 10 x 10.5 cm plates
- Uses the same rugged and effective clamp/cam casting method as used with the SE600 and SE400 Series casters

## Ordering Information

Cat. #	Description
SE245	Dual Gel Caster

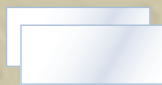
### Includes:

- Casting Cradle
- Casting Clamp Assemblies—2 pcs
- Sealing Gasket Set
- Cams—4 pcs

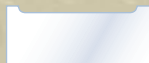
Order glass plates, SE211A combs, and spacers separately.



SE6402, SE6402LF



SE6402D



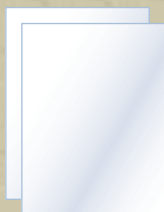
SE6102, SE6102LF



SE6102D



SE6602, SE6602LF



SE6602D



## Glass Plates:

For SE660, SE600X Chroma, SE600, SE640, SE410, and SE400

### Ordering Information

Cat. #	Description
SE6402	18 x 8 cm Regular–2 pcs
SE6402LF	18 x 8 cm Low Fluorescence–2 pcs
SE6402D	18 x 8 cm Divider Plate, Notched
SE6102	18 x 16 cm Regular–2 pcs
SE6102LF	18 x 16 cm Low Fluorescence–2 pcs
SE6102D	18 x 16 cm Divider Plate, Notched
SE6602	18 x 24 cm Regular–2 pcs
SE6602LF	18 x 24 cm Low Fluorescence–2 pcs
SE6602D	18 x 24 cm Divider Plate, Notched



## Divider Plates Double Gel Capacity

Run as many as four 0.75, 1.0, or 1.5 mm thick gels on SE600 Series units and two gels on the SE400 Series at one time under identical conditions.

**How it works:** Insert a divider plate between the glass plates that make up a single gel sandwich. Place spacers on each side of the divider plate to form two gel cavities for pouring gels. This two gel “club sandwich” fits into the same casting stand and seals perfectly.

SE202P-10



SE202GN-5



SE262P-5

SE262GN-5

SE202N



SE202N-10



SE262N-5



## Glass and Alumina Plates:

For miniVE™, SE260, and SE250

### Glass Plates

#### Ordering Information

Cat. #	Description
SE202P-10	10 x 8 cm Rectangular Glass Plates–10 pcs
SE202GN-5	10 x 8 cm Notched Glass Plates–5 pcs
SE262P-5	10 x 10.5 cm Rectangular Glass Plates–5 pcs
SE262GN-5	10 x 10.5 cm Notched Glass Plates–5 pcs

### Alumina Plates (not recommended for use with miniVE)

#### Ordering Information

Cat. #	Description
SE202N	10 x 8 cm Notched Alumina Plate
SE202N-10	10 x 8 cm Notched Alumina Plates–10 pcs
SE262N-5	10 x 10.5 cm Notched Alumina Plates–5 pcs

# Accessories: miniVE™, SE260, and SE250

## Ordering Information

### Standard Combs

Standard combs produce maximum well depths of 13 mm.

Cat. #	# of Wells	Thickness (mm)	Well Width (mm)	Well Volume (µl per 1mm depth)	Qty.
SE211A-5-.75	5	0.75	13.0	9.8	1
SE211A-5-1.0	5	1.0	13.0	13.0	1
SE211A-5-1.5	5	1.5	13.0	19.5	1
SE211A-9-1.0	9*	1.0	5.8	5.8	1
SE211A-10-.75	10	0.75	4.8	3.6	1
SE211A-10-1.0	10	1.0	4.8	4.8	1
SE211A-10-1.5	10	1.5	4.8	7.2	1
SE211A-12-1.0	12	1.0	4.75	4.75	1
SE211A-15-.75	15	0.75	2.9	2.2	1
SE211A-15-1.0	15	1.0	2.9	2.9	1
SE211A-15-1.5	15	1.5	2.9	4.4	1
SE211A-18-1.0	18*	1.0	2.9	2.9	1

\*Microtiter spacing for use w/multichannel pipette

### Preparative Combs

Preparative Combs form 1 large preparative well plus 1 small reference well.

Cat. #	# of Wells	Thickness (mm)	Well Width (mm)	Well Volume (µl per 1mm depth)	Qty.
SE211A-R-.75	1/1	0.75	68/5	51/3.8	1
SE211A-R-1.0	1/1	1.0	68.5	68/5	1
SE211A-R-1.5	1/1	1.5	68.5	120/7.5	1

### T-Spacers

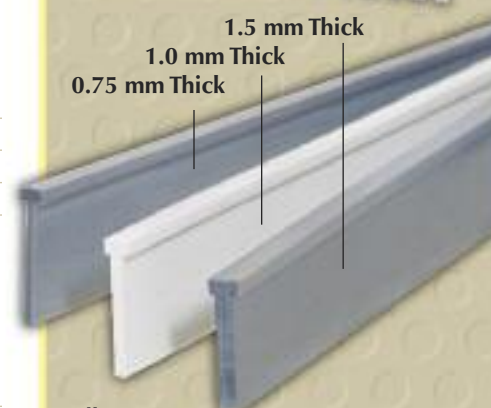
All spacers are precision machined from durable plastics for high chemical resistance and optimum tensile strength.

Cat. #	Thickness (mm)	Length (cm)	Width (cm)	Qty.
SE2119T-2-.75	0.75	8	1	2
SE2119T-2-1.0	1.0	8	1	2
SE2119T-2-1.5	1.5	8	1	2
SE2619T-2-.75	0.75	10.5	1	2
SE2619T-2-1.0	1.0	10.5	1	2
SE2619T-2-1.5	1.5	10.5	1	2

## Additional Accessories

### Ordering Information

Cat. #	Description
SE6070	Gel Seal-1/4 oz.
SE6003U-2	Clamp Thumbscrews-12 pk (for 8 or 16 cm Clamp)
SE6056-HV	High Voltage Safety Lead Set
SE1514	Wonder Wedge Plate Separation Tool
SER11	Bubble Level



All 1.0 mm T-Spacers are white for easy identification.

