

**ATTO**

# High-Speed & Resolution

## Built-in Power Supply type

# Mini Slab PAGE Electrophoresis Apparatus

### " High Speed & Resolution " Electrophoresis! Standard device for PAGE!

## WSE-1165 MiniSlab



WSE-1165 MiniSlab is an electrophoresis apparatus for mini size (8x9 cm) PAGE built in power supply unit. This device is applied to high-speed electrophoresis as well as standard electrophoresis.

### Purpose and Application

- \*SDS-PAGE (SDS-polyacrylamide gel electrophoresis)
- \*NativePAGE (Non-denatured polyacrylamide gel electrophoresis)
- \*Protein separation, identification, purity confirmation and molecular weight estimation etc.
- \*Check the purified or the expression level of protein
- \*Electrophoresis of DNA or confirmation of the PCR product
- \*For screening of your target protein expression
- \*Protein or Nucleic Acid electrophoresis for entry-level experiment and students
- \*Enzyme type determination

- Built in power supply unit for simple operation & High reproducibility
- Save operating space
- Plate setting: Push-Down 'H' holder
- Two-sided contact temperature by using running buffer solution for less smiling
- High speed mode is installed: 20-25 min \*
- Automatic polarity switching function
- Seal packing for removing buffer leakage

\*For high speed electrophoresis, use with  
Electrodo buffer  
「EzRunMOPS」



20x concentrated solution  
Volume: 250mL  
For high speed electrophoresis & High resolution of separation for low MW protein bands

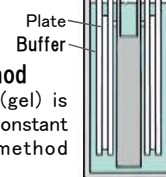


**Push-Down 'H' holder**  
Easy setting; just setting plate with 'H' holder.

### Less Smiling

#### Gel Isothermal method

Both side of plate (gel) is covered by buffer for constant temperature. This method prevents smiling.



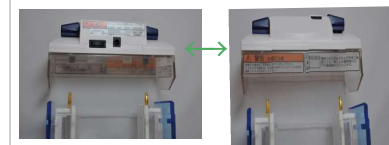
### Upper Chamber



**Seal packing for removing buffer leakage**  
Flexible material in special wave shape prevents leakage of buffer solution.

### Automatic Polarity Switching function

It is not described which side is + or - on electrophoresis chamber. Always lower electrode is anode (+) whichever side the power supply unit is connected.



\*If you want the lower electrode is used as cathode(-), we can provide the apparatus without this function. Please contact our sales department.

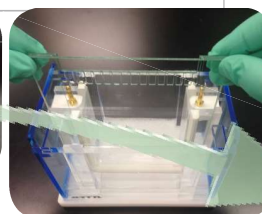
## Operation Outline



PageRun Ace & e-PAGEL (Precast gel)

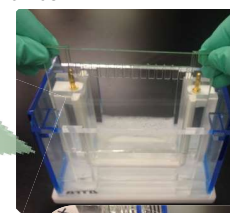


Prepare e-PAGEL or Make gels  
\* Gel made of gel buffer 「EzGelAce」 can be preserved.



Set power supply unit & Connect to outlet

Set gels into upper electrophoresis chamber.



Pour electrode buffer to lower chamber.  
After setting upper chamber (gel), pour the buffer to it.

Operating Time  
High mode  
About 25min  
Stad. mode  
About 75min

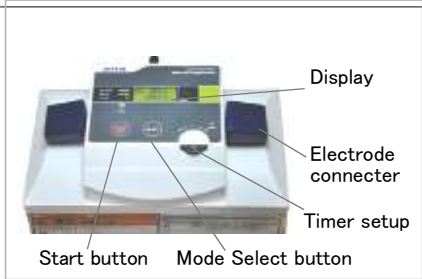


Start operating



Apply sample

# Specification

	WSE-1165 Mini Slab (2322198) without built in Power Supply	WSE-1165 Mini Slab (2322198) <b>built in Power Supply (2321655/2321659)</b>
Plate	100mmx100mm - 120mm(W)x102mm (L)	
Gel size	90mm(W)x80mm (L)x1mm(T)	
Number of gel	Max 2 sheets (Only 1 sheet is also available)	
Plate setting	Push-Down 'H' holder	
Electrophoresis gel isothermal method	Two-sided contact temperature by using lower buffer solution	
Buffer volume	400-650mL	
Polarity	Automatic polarity switching function (Always lower electrode is anode (+) whichever side the power supply unit is connected.)	
Built in Power supply unit	Setting: Mode selection by Select button, Timer by dial Display: LCD Timer set time/Remaining time, Mode, Lamp: Blinking at operating, High-speed blinking at detecting error Timer: 0-250min (0: Free timer) Alarm: When output stops/When time is up /When an error is detected <b>Mode (Approximate time in SDS-PAGE)</b> High speed(20-30min) Hi gel 1·2 sheet Standard (70-80min) Std gel 1·2 sheet Low (140-160min) Low gel 1·2 sheet	 <p><b>Power supply unit</b></p>
AC adaptor	Input: 100-240V Output: 24VDC/1.5A	
Safety measures	Power supply all-in-one safety cover, no-load detection, short-circuit detection	
Dimension/Weight	Electrophoresis chamber: 165mm (W)x99mm(D)x134mm(H) 900g Power supply 440g (With AC adaptor)	
Power supply	100-240V 50/60Hz	
Component	Main unit (Electrophoresis chamber, DP-5 dummy plate, Instruction manual)	Main unit (Electrophoresis chamber), Power supply unit, AC adaptor, DP-5 dummy plate, Instruction manual

## \* Gel Casting Kit (for hand-made gel)



	WSE-1190 Multi Mini Slab Gel Cast (2393031)	AE-6401 1mm Dual Mini Gel Cast (2393010)
Gel size	90mm(W)x83mm(L) 1mm thickness	90mm(W)x80mm(L) 1mm thickness
plate size	120mm(W)x102mm(L) (Total)5mm thickness*	120mm(W)x102mm(L) (Total)7mm thickness*
No. of casting gel	Max 4 sheets( 2 sheets are available) (3 sheets are available with previous plates)	2 sheets (2 sets)
Sample apply	Smiling-less comb (1 mm thickness/12-well/PP molding)	
Main material	Acrylic, Silicon, Stainless steel, Glass	Silicon, Polypropylene, Polyvinyl chloride, Stainless steel, Glass
Dimension/Weight	176mm(W)x45mm(D)x129mm(H) (at binding with clips) 0.65kg (Main casting unit)	140mm(W)x15mm(D)x110mm(H) (When it is assembling) 0.54kg (Total with 2 sets)
Component	Main unit x1, Pair of glass plates (MAB-12, MB-02) x4, Smiling-less mini comb x4, Space plate x6, Dummy plate x1	Pair of glass plates (MAB-10, MB-00) x2, Smiling-less mini comb x2, Seal gasket x2, Clip x4



※ Thickness of glass plate is 2 mm and there are spacers on the side.

※ Thickness of glass plate is 3 mm (Previous product).



## ATTO Corporation

Providing research solutions for Biochemistry/Molecular Biology/  
Genetic engineering development

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