

# IB80000

## 43X36CM FORMAT VERTICAL SEQUENCING SYSTEM

 VERTICAL  
ELECTROPHORESIS

IBI's STS-45i Sequencing System is designed with the user in mind. The patented slant-back feature prevents the glass plates from falling forward during setup. The white enamel thermoplate not only distributes heat evenly to prevent smiling or frowning, but is a perfect background to follow the dye's progression. The patented easy-turn knobs provide even pressure to the glass plates and thermoplate, ensuring sharp bands without distortion. Both lower and upper electrodes are made from corrosion-resistant platinum. The formed lower reservoir is removable for easy disposal of radioactive material. The STS-45i upper and lower reservoirs are equipped with interlocking safety covers to help protect the user. The STS-45i is constructed of durable cast acrylic for years of faithful use. Works great for RNA Expressions!

### ORDERING INFORMATION

CATALOG#	DESCRIPTION
IB80000	<b>STS-45i VERTICAL SEQUENCING SYSTEM</b> *Comes complete with upper and lower reservoir lids, inner glass plate, outer glass plate, removable lower buffer tank, two 0.4mm x 32 tooth combs, two 0.4mm x 64 tooth combs, two 0.4mm x 64 sharktooth combs, 0.4mm spacer set, four spacer tabs, & power cords.



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Power to the STS-45i is supplied by an external DC voltage power supply. This power supply must be ground isolated in such a way that the DC voltage output floats with respect to ground. The power should have two no-load and ground fault safety features. All of IBI's power supplies meet this safety requirement. Regardless of which power supply is used, the maximum specified operating parameters for this unit are:

- 3000VDC maximum voltage limit
- 70W maximum power limit
- 50°C maximum ambient temperature limit

### SPECIFICATIONS

	Height	Width	Length
Unit Dimensions:	22.0cm	49.0cm	48.0cm
Gel Dimensions:		36.0cm	43.0cm

### CAPACITY

- Maximum Sample Capacity: **96 Samples** (1 Comb, 96 Samples Ea.)
- Buffer Capacity: **530ml** - Upper Reservoir  
**530ml** - Lower Reservoir
- Maximum Voltage: **3000V**

### ACCESSORIES AND REPLACEMENT PARTS

CATALOG#	DESCRIPTION
IB50500	Power Cords, Red and Black
IB80200	Replacement Upper Electrode
IB80300	Replacement Lower Electrode
IB80420	0.2mm Spacer Set
IB80424	0.2mm Comb and Spacer Set
IB80440	0.4mm Spacer Set
IB80444	0.4mm Comb and Spacer Set
IB80450	0.2mm Wedge Spacer Set
IB80520	Replacement Inner Glass Plate
IB80540	Replacement Outer Glass Plate
IB80550	Replacement Glass Plate Set (Inner & Outer)
IB80600	Replacement Gasket Kit
IB80610	Replacement Spacer Tabs
IB81200	Replacement Thermoplate Kit
IB81203	Replacement Lower Reservoir Lid
IB81204	Replacement Upper Reservoir Lid
IB81206	Replacement Drain Hose, w/Clamp
IB81630	Sequencing Sealing Tape, 1 Roll
8154601	Replacement Locking Knobs, Right Only
8483133	Replacement Locking Knobs, Left Only
8846289	Replacement Locking Knob Upgrade Kit, Right and Left

### ADDITIONAL COMBS AVAILABLE

CATALOG#	DESCRIPTION	WELL WIDTH	VOLUME PER MM WELL DEPTH
IB80040	0.2mm x 32 tooth	8.0mm	1.6µl
IB80050	0.2mm x 64 tooth	3.0mm	0.6µl
IB80100	0.4mm x 32 tooth	8.0mm	3.2µl
IB80110	0.4mm x 64 tooth	3.0mm	1.2µl
IB80250	0.2mm x 64 sharktooth	3.0mm	0.6µl
IB80355	0.2mm x 64&96 sharktooth	3.0, 2.0mm	0.2, 0.4µl
IB80310	0.4mm x 64 sharktooth	3.0mm	1.2µl
IB80350	0.2mm x 96 sharktooth	2.0mm	0.4µl
IB80380	0.4mm x 96 sharktooth	2.0mm	0.8µl
IB80385	0.4mm x 64&96 sharktooth	3.0, 2.0mm	1.2, 0.8µl