

Run 2 slab gels or 2 Western blots in this versatile unit



**Each Dual Cool System is equipped with the following:**

- Lower buffer reservoir
- Dual capacity core with contrasting yellow loading background
- 2 freezer blocks
- 2 blotting cassettes with sponge pads
- Safety cover with power leads
- Adaptor plate for running one gel at a time.

Dual Cool System, cat. # DCX-700

## FEATURES

- Dual capacity with dual function - run either 2 slab gels or 2 Western blots (as shown in figure 1).

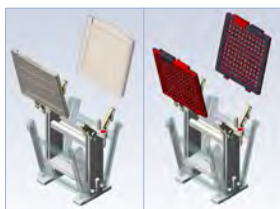


figure 1.

- Each gel or blotting cassette is placed into a double-gasketed receptacle in the core for increased perimeter pressure, ensuring a tight fit and preventing surrounding buffer interference. Hinged core design allows easy loading and removal of gel or blotting cassettes
- Dual Cool System, cat. # DCX-700 will accept 10cm(w) x 10cm(l), 10cm(w)x 9cm(l) or 10cm(w) x 8cm(l) precast gels. Alternatively, handcasting can be accomplished using Gel Wrap Casting kits and Multiple Gel Casting Chamber kits. See reverse side for kit descriptions and ordering information.
- Gel or blotting cassettes can be extracted from the core without removing the core from the tank, allowing for quick processing of samples. This feature also allows for the immediate reuse of buffer for the next set of samples.
- Provides the capability of running 2 gels or 2 blots simultaneously under identical temperature controlled buffer conditions using freezer blocks.
- Color-coded anode and cathode safety features on all components
- Tank design includes stirring bar corral
- There are no loose parts to keep track of on the central core
- Electrophoretic transfers do not require the purchase of special transfer modules

## PRECAST GEL OPTIONS FOR DUAL COOL SYSTEMS

### ClearPAGE™ Precast Gels:

Superior quality SDS PAGE and DNA/Native PAGE precast gels.

Available in two sizes:

10cm(w) x 10cm(l) or 10cm(w) x 8cm (l).

Alternatively, other types of compatible precast gels are listed below.



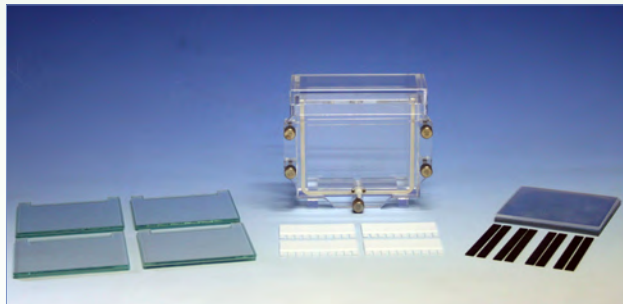
SPECIFICATIONS	
Number of gels	1-2
Compatible Precast gels	<b>ClearPAGE™</b> NuPAGE®** PAGEr®** Expedeon®** SERVAGel™**
Precast gel sizes that fit (cm)	10(w) x 10(l) 10(w) x 9(l) 10(w) x 8(l)
Handcast glass plate set dimensions (cm)	10(w) x 10(l)
total buffer volume for 2 gels or 2 blots	940 ml
slab gel run time	30-60 minutes
blot run time	75 minutes
recommended power supply	EPS-300 or EPS-200
overall dimensions (W x L x H)	6.5" x 6" x 8.5" 16.5(cm) x 15.24(cm) x 21.59(cm)

\*NuPAGE® is a trademark of Invitrogen Corporation, PAGEr® is a trademark of Lonza, Expedeon® is a trademark of Expedeon and SERVAGel™ is a trademark of Serva.

**2 HANDCAST GEL OPTIONS FOR DUAL COOL SYSTEMS**

**Option #1:**

**4-PLACE MULTIPLE GEL CASTING CHAMBER BUNDLES:**  
EACH MULTI-CASTING CHAMBER BUNDLE (CAT. # DCX4K SERIES) INCLUDES:



- DCX4K Multi-Caster Chamber with lid, silicone gasket, 5 stainless steel thumbscrews, backfill port connecting to central filling trough
- 4 sets notched glass plate sets
- 4 sets of spacers (choice of 0.75mm, 1.0mm or 1.5mm thickness)
- 4 combs (choice of 10 well or 14 well)
- Polycarbonate barrier sheets

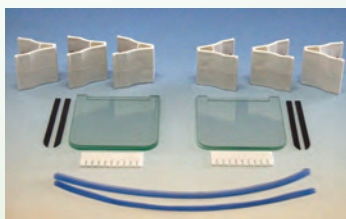
**Option #2:**

**2-PLACE GEL WRAP™ CASTING KITS:**

C.B.S. Scientific has developed a revolutionary leak-proof gasket, Gel Wrap, that seals the glass plate sandwich for gel casting quickly and easily. Each casting kit comes with the components to handcast 2 gels.

EACH GEL WRAP™ CASTING BUNDLE (CAT. # DCX-HC SERIES) INCLUDES:

- 2 Gel Wrap™ Gaskets (choice of 0.75mm, 1.0mm or 1.5mm thickness)
- 2 sets of Gel Wrap™ glass plates
- 2 sets of Gel Wrap™ spacers, (choice of 0.75mm, 1.0mm or 1.5mm thickness)
- 2 combs (choice of 10, 14 or 16 wells)
- 6 clamps



**ACCESSORY GRADIENT MAKER WITH MINI-PERISTALTIC PUMP FOR CASTING GRADIENT GELS**

50ml/side gradient maker (GM-100) with Mini-Peristaltic Pump (MPP-110) enable pouring of 4 identical gradient gels at a time when used with the 4-place Multiple Casting Chamber. Accessory tubing adapter kit (GMCK-100) also shown.



COMB OPTIONS					
Cat. #	comb type (teflon)	# of teeth	thickness of teeth	width of teeth	estimated well volume
MVX-0701	standard	1	0.75	66.6	474.52
MVX-0710	standard	10	0.75	5.23	37.26
MVX-0714	standard	14	0.75	3.3	31.35
MVX-0716	standard	16	0.75	2.92	20.81
MVX-1001	standard	1	1.0	66.6	632.7
MVX-1010	standard	10	1.0	5.23	49.68
MVX-1014	standard	14	1.0	3.3	31.35
MVX-1016	standard	16	1.0	2.92	27.74
MVX-1501	standard	1	1.5	66.6	949.05
MVX-1510	standard	10	1.5	5.23	74.52
MVX-1514	standard	14	1.5	3.3	47.02
MVX-1516	standard	16	1.5	2.92	41.61

**ORDERING INFORMATION**

**DUAL COOL 2-PLACE COMBO MINI-VERTICAL SYSTEMS**

Cat.#	Description
DCX-700	Dual Cool System

**REPLACEMENT PARTS**

Cat.#	Description
EBX-BC-700	Accessory blotting cassette, includes sponge pad
EBX-SP-700	Accessory sponge pads, set of 4
DCX-SP-109	Accessory shim plate for 9cm(w) Lonza precast gels

**4-PLACE MULTIPLE GEL CASTING CHAMBER BUNDLES**

Cat.#	Thickness of combs & spacers (mm)	# of wells on comb
DCX4K-0710	0.75	10
DCX4K-0714	0.75	14
DCX4K-0716	0.75	16
DCX4K-1010	1.0	10
DCX4K-1014	1.0	14
DCX4K-1016	1.0	16
DCX4K-1510	1.5	10
DCX4K-1514	1.5	14
DCX4K-1516	1.5	16

**2-PLACE GEL WRAP CASTING BUNDLES**

Cat.#	Thickness of combs & spacers (mm)	# of wells on comb
DCX-C0710	0.75	10
DCX-C0714	0.75	14
DCX-C0716	0.75	16
DCX-C1010	1.0	10
DCX-C1014	1.0	14
DCX-C1016	1.0	16
DCX-C1510	1.5	10
DCX-C1514	1.5	14
DCX-C1516	1.5	16

**GRADIENT GEL ACCESSORIES**

Cat.#	Description
GM-100	Gradient Maker, 50ml per side with side outlet
MPP-100	Mini-Peristaltic Pump, Variable flow mini-pump, 120V
MPP-100-220	Mini-Peristaltic Pump, Variable flow mini-pump, 220V
GMCK-100	Gradient Maker Tubing Adapter Kit