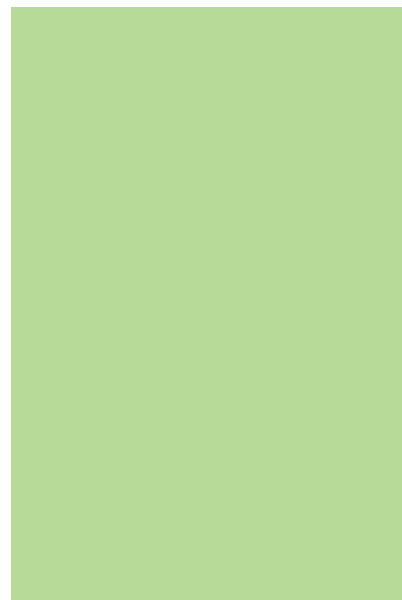
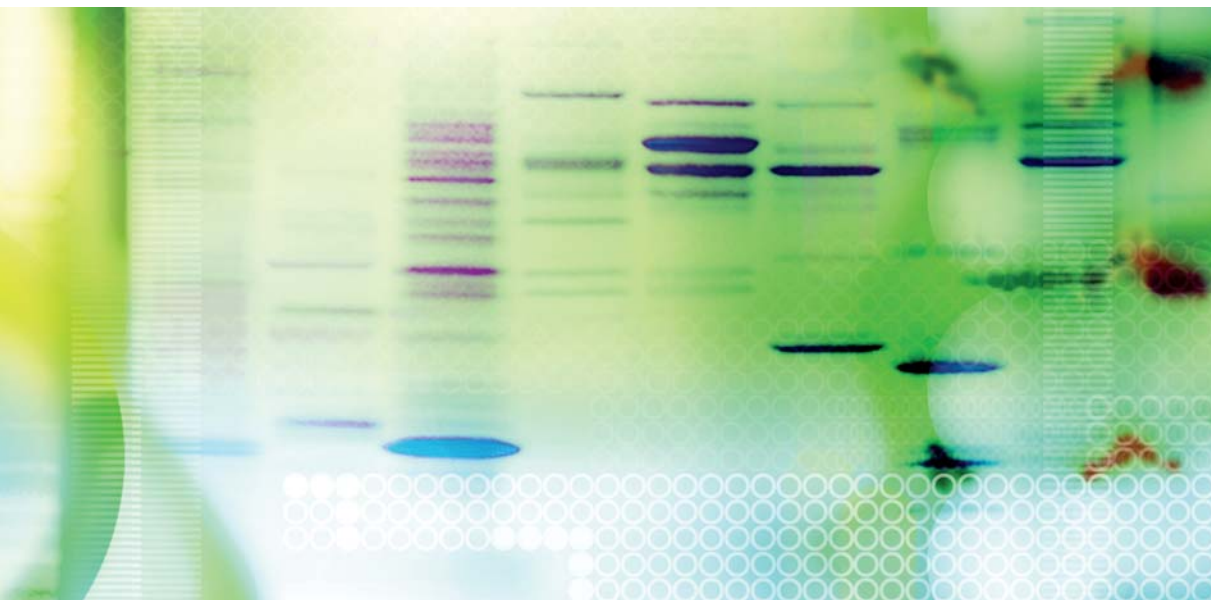
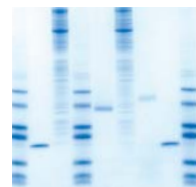


Protein Electrophoresis



Mini-PROTEAN® Tetra Cell

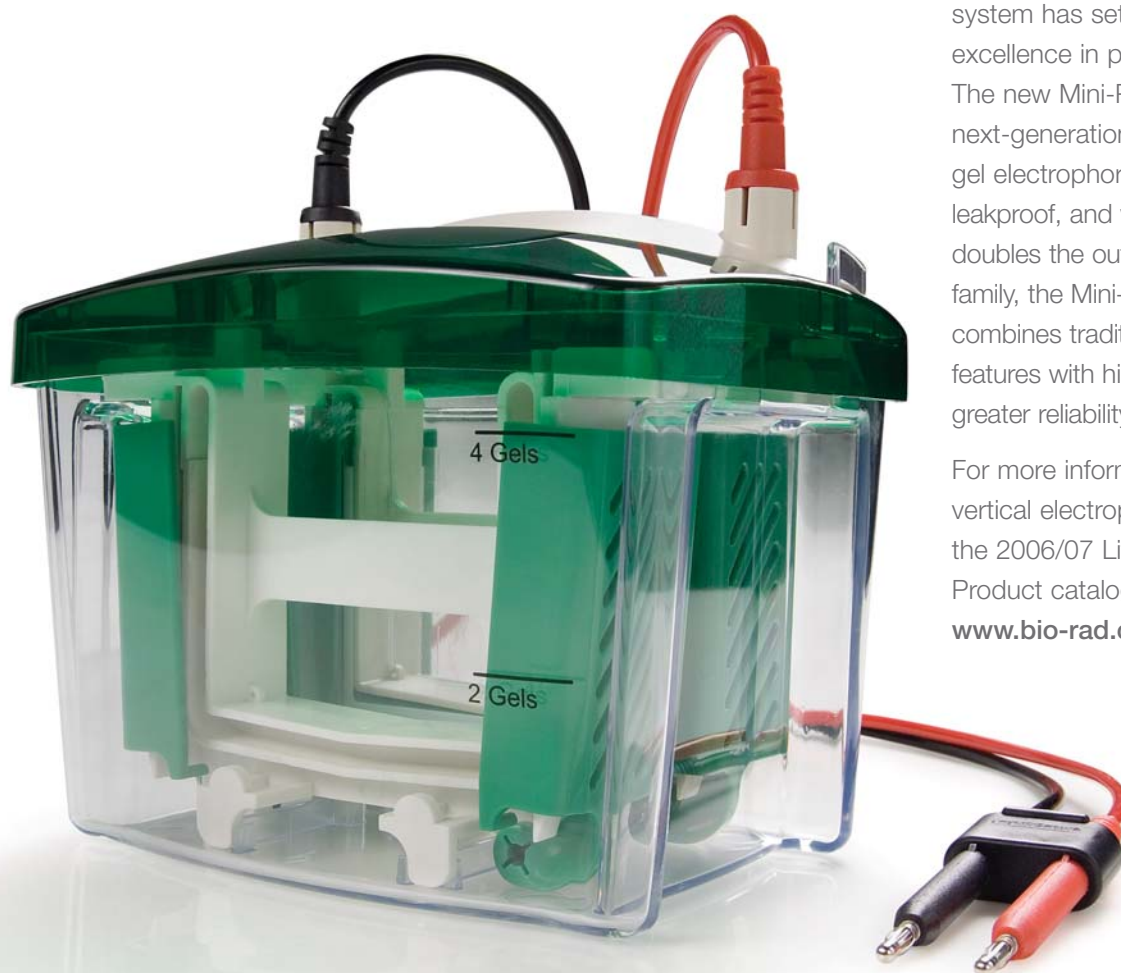


The Best Just Got Better

BIO-RAD



The Best Just Got Better **Mini-PROTEAN Tetra Cell**



For over 20 years, the Mini-PROTEAN® system has set the standard for excellence in protein electrophoresis. The new Mini-PROTEAN Tetra cell is the next-generation mini cell for 1-D vertical gel electrophoresis. Easier to assemble, leakproof, and with a four-gel capacity that doubles the output of the Mini-PROTEAN family, the Mini-PROTEAN Tetra cell combines traditional Mini-PROTEAN features with higher throughput and even greater reliability.

For more information on Bio-Rad's vertical electrophoresis cells, refer to the 2006/07 Life Science Research Product catalog, or go to www.bio-rad.com/verticalelectro/

The Mini-PROTEAN Tetra cell is ideal for your vertical mini gel electrophoresis needs. Easy to use, easy to assemble, robust, and versatile, the Tetra cell accommodates up to four handcast or Ready Gel® precast gels. Casting and running gels has never been quicker or easier.

- Run up to 4 mini gels in less than an hour
- Run four 2-D gels in less than a day
- Evaluate sample preparation conditions
- Screen new samples and process discovery projects



Modularity — Use Cells for Many Applications

Interchangeable modules easily convert a Mini-PROTEAN Tetra cell from one application to another. Each module fits into the same buffer tank and lid to form a complete cell. The four modular configurations are:

- Mini-PROTEAN Tetra electrophoresis cell — for running handcast or precast PAGE and SDS-PAGE gels
- Mini Trans-Blot® electrophoresis transfer cell — for western blotting
- Model 422 electro-eluter — for electroelution of sample bands or entire lanes for protein recovery
- Mini-PROTEAN 2-D electrophoresis cell — for first-dimension IEF tube gels in 2-D applications

How to Configure Your Own Electrophoresis Cell

Choose one of the preset configurations, and order catalog #165-8000 (10-well, 0.75 mm) or #165-8001 (10-well, 1.0 mm). Or, to configure your own electrophoresis cell, order the Mini-PROTEAN Tetra cell (#165-8004) and select a casting module from the ordering information.

* US patent 6,162,342.

** US patent 5,656,145.

Casting Advantages

- Casting frames with simple cam closure provide precision alignment on any flat surface
- Side-by-side casting stand* allows access to two gels simultaneously, and the spring-loaded lever creates a tight seal against the thermoplastic gaskets
- Thermoplastic casting gaskets form a tight seal with the glass plates to ensure leak-free casting
- Ground-glass plates with permanently bonded spacers guarantee perfect alignment and leak-free casting
- Thicker glass spacer plates reduce breakage
- Glass plates and combs are labeled with thickness and number of wells for instant identification
- Plastic combs* do not inhibit polymerization and have a built-in ridge to eliminate air contact during gel casting for uniform gel polymerization

Loading and Running Innovations

- Patented sample loading guides** prevent skipped or repeated loading lanes
- Cell runs 1–4 gels using 2 running modules

Specifications

Number of gels	1–4
Precast gels	Ready Gel precast gels
Handcast gels	Cast using Mini-PROTEAN spacer plates
Glass plate size (W x L)	
Short plate	10.1 x 7.3 cm
Spacer plate	10.1 x 8.2 cm
Gel size (W x L)	
Handcast	8.3 x 7.3 cm
Precast	8.6 x 6.8 cm
Typical upper buffer volume	120 ml
Typical lower buffer volume	180 ml
Typical run times for SDS-PAGE	45 min (at 200 V constant)
Recommended power supply	PowerPac™ Basic or PowerPac™ HC
Dimensions (W x L x H)	12 x 16 x 18 cm
Weight	2.0 kg



Ordering Information

Catalog #	Description	Catalog #	Description																																
Mini-PROTEAN Tetra Cells		165-8035	Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module, and PowerPac HC Power Supply , includes 165-8001, 170-3935, and 164-5052																																
165-8000	Mini-PROTEAN Tetra Cell , 10-well, 0.75 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam	165-8036	Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels, Mini Trans-Blot Module, and PowerPac HC Power Supply , includes 165-8004, 170-3935, and 164-5052																																
165-8001	Mini-PROTEAN Tetra Cell , 10-well, 1.0 mm thickness; 4-gel system includes 5 combs, 5 sets of glass plates, 2 casting stands, 4 casting frames, sample loading guide, electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam	<table> <tr> <th>Description</th><th>0.75 mm</th><th>1.0 mm</th><th>1.5 mm</th></tr> <tr> <td colspan="4">Casting Modules***</td></tr> <tr> <td>5-Well</td><td>165-8008</td><td>165-8013</td><td>165-8019</td></tr> <tr> <td>9-Well</td><td>165-8009</td><td>165-8014</td><td>165-8020</td></tr> <tr> <td>10-Well</td><td>165-8010</td><td>165-8015</td><td>165-8021</td></tr> <tr> <td>15-Well</td><td>165-8011</td><td>165-8016</td><td>165-8022</td></tr> <tr> <td>Prep/2-D Well</td><td>165-8012</td><td>165-8017</td><td>165-8023</td></tr> <tr> <td>IPG Well</td><td>—</td><td>165-8018</td><td>165-8024</td></tr> </table>		Description	0.75 mm	1.0 mm	1.5 mm	Casting Modules***				5-Well	165-8008	165-8013	165-8019	9-Well	165-8009	165-8014	165-8020	10-Well	165-8010	165-8015	165-8021	15-Well	165-8011	165-8016	165-8022	Prep/2-D Well	165-8012	165-8017	165-8023	IPG Well	—	165-8018	165-8024
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165-8002*	Mini-PROTEAN Tetra Cell , 10-well, 0.75 mm thickness; 2-gel system includes 5 combs, 5 sets of glass plates, casting stand, 2 casting frames, sample loading guide, electrode assembly, tank, lid with power cables, mini cell buffer dam	Catalog # Description																																	
165-8003*	Mini-PROTEAN Tetra Cell , 10-well, 1.0 mm thickness; 2-gel system includes 5 combs, 5 sets of glass plates, casting stand, 2 casting frames, sample loading guide, electrode assembly, tank, lid with power cables, mini cell buffer dam	Handcast Gel Accessories and Replacement Parts																																	
165-8004	Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels , 4-gel system includes electrode assembly, companion running module, tank, lid with power cables, mini cell buffer dam	165-3303	Mini-PROTEAN Casting Stand																																
Mini-PROTEAN Tetra Systems**		165-3304	Mini-PROTEAN Casting Frame																																
165-8025	Mini-PROTEAN Tetra Cell and PowerPac Basic Power Supply , includes 165-8001 and 164-5050	165-3305	Mini-PROTEAN Casting Stand Gaskets , replacement, 2																																
165-8026	Mini-PROTEAN Tetra Cell and PowerPac™ Universal Power Supply , includes 165-8001 and 164-5070	165-3308	Short Plates , 5																																
165-8027	Mini-PROTEAN Tetra Cell and PowerPac HC Power Supply , includes 165-8001 and 164-5052	165-3309	Spacer Plates With 0.5 mm Integrated Spacers , 5																																
165-8028	Mini-PROTEAN Tetra Cell and PowerPac™ HV Power Supply , includes 165-8001 and 164-5056	165-3310	Spacer Plates With 0.75 mm Integrated Spacers , 5																																
165-8029	Mini-PROTEAN Tetra Cell and Mini Trans-Blot Module , includes 165-8001 and 170-3935	165-3311	Spacer Plates With 1.0 mm Integrated Spacers , 5																																
165-8030	Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels and Mini Trans-Blot Module , includes 165-8004 and 170-3935	165-3312	Spacer Plates With 1.5 mm Integrated Spacers , 5																																
165-8031	Mini-PROTEAN Tetra Cell and Mini Trans-Blot Electrophoretic Transfer Cell , includes 165-8001 and 170-3930	<table> <tr> <th>Description</th><th>0.75 mm</th><th>1.0 mm</th><th>1.5 mm</th></tr> <tr> <td colspan="4">Combs</td></tr> <tr> <td>5-Well</td><td>165-3352</td><td>165-3357</td><td>165-3363</td></tr> <tr> <td>9-Well</td><td>165-3353</td><td>165-3358</td><td>165-3364</td></tr> <tr> <td>10-Well</td><td>165-3354</td><td>165-3359</td><td>165-3365</td></tr> <tr> <td>15-Well</td><td>165-3355</td><td>165-3360</td><td>165-3366</td></tr> <tr> <td>Prep/2-D Well</td><td>165-3356</td><td>165-3361</td><td>165-3367</td></tr> <tr> <td>IPG Well</td><td>—</td><td>165-3362</td><td>165-3368</td></tr> </table>		Description	0.75 mm	1.0 mm	1.5 mm	Combs				5-Well	165-3352	165-3357	165-3363	9-Well	165-3353	165-3358	165-3364	10-Well	165-3354	165-3359	165-3365	15-Well	165-3355	165-3360	165-3366	Prep/2-D Well	165-3356	165-3361	165-3367	IPG Well	—	165-3362	165-3368
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165-8032	Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels and Mini Trans-Blot Electrophoretic Transfer Cell , includes 165-8004 and 170-3930	Catalog # Description																																	
165-8033	Mini-PROTEAN Tetra Cell, Mini Trans-Blot Module, and PowerPac Basic Power Supply , includes 165-8001, 170-3935, and 164-5050	Other Replacement Parts																																	
165-8034	Mini-PROTEAN Tetra Cell for Ready Gel Precast Gels, Mini Trans-Blot Module, and PowerPac Basic Power Supply , includes 165-8004, 170-3935, and 164-5050	165-8037	Mini-PROTEAN Tetra Electrode Assembly																																
		165-8038	Mini-PROTEAN Tetra Companion Running Module																																
		165-8039	Buffer Tank , replacement																																
		165-8040	Buffer Tank and Lid , replacement																																
		165-8041	Cell Lid With Power Cables																																
		165-3201	Sample Loading Guide , 9-well (red)																																
		165-3146	Sample Loading Guide , 10-well (yellow)																																
		165-3203	Sample Loading Guide , 12-well (green)																																
		165-3132	Sample Loading Guide , 15-well (blue)																																
		165-3130	Mini Cell Buffer Dams , 2																																
		165-3149	Replacement Gaskets , for electrophoresis assembly, green, 2																																
		161-0990	Empty Ready Gel Cassettes , 10																																

- * The 2-gel systems do not include the companion running module.
 ** Catalog numbers for system components are for products described in the 2006/07 Life Science Research Product catalog.
 *** Each casting module includes 2 casting stands, 4 casting frames, 5 combs, 5 sets of plates, and the appropriate sample loading guide.

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 Germany 089 318 84 0 Greece 30 210 777 4396 Hong Kong 852 2789 3300 Hungary 36 1 455 8800 India 91 124 4029300 Israel 03 963 6050
 Italy 39 02 216091 Japan 03 5811 6270 Korea 82 2 3473 4460 Mexico 52 555 488 7670 The Netherlands 0318 540666 New Zealand 0508 805 500
 Norway 23 38 41 30 Poland 48 22 331 99 99 Portugal 351 21 472 7700 Russia 7 495 721 14 04 Singapore 65 6415 3188 South Africa 27 861 246 723
 Spain 34 91 590 5200 Sweden 08 555 12700 Switzerland 061 717 95 55 Taiwan 886 2 2578 7189 United Kingdom 020 8328 2000