

Run with it!



The **Mini-PROTEAN[®] 3** Mini Vertical
Electrophoresis System is So Easy to Use,
You Won't Want to Run With Anything Else.

BIO-RAD

The User-Friendly Mini-PROTEAN

A Simple Approach to Gel Electrophoresis.

How to make the most of your time in the lab? Streamline your routine.

That's the basic idea behind our new Mini-PROTEAN 3 system. By making the process as simple as possible, you can devote more time and energy to the actual research.

With the Mini-PROTEAN 3 system, assembly is effortless. The cell itself creates a completely leakproof seal during electrophoresis; there are no cumbersome thumbscrews and no need for micro-adjustments. We've even eliminated the alignment process by using permanently-bonded spacers on the glass plates.

Bio-Rad's exclusive, patented Sample Loading Guide* takes the guesswork out of loading samples — you'll always load the proper lane, and never overlook a sample well. In addition, the new Mini-PROTEAN 3 casting stand and glass plates with bonded spacers prevent leaks due to mismatched spacers or misaligned plates during casting.

A Flexible Approach.

Bio-Rad's Mini-PROTEAN 3 system is the single most flexible mini vertical electrophoresis cell available. It lets you run both precast and handcast gels. And the universal mini buffer tank accommodates a mini blotting module, electro-eluter or a mini tube cell — you don't need separate instruments to complete your work.

It takes just 30 seconds to assemble, and 45 minutes to run — you get guaranteed, reliable results.

CASTING FRAME†

- Precision alignment on any flat surface
- Simple cam closure; no bulky clamps or thumbscrews

SIDE-BY-SIDE CASTING STAND†

- Allows access to and visibility of both gels simultaneously

PLASTIC COMBS†

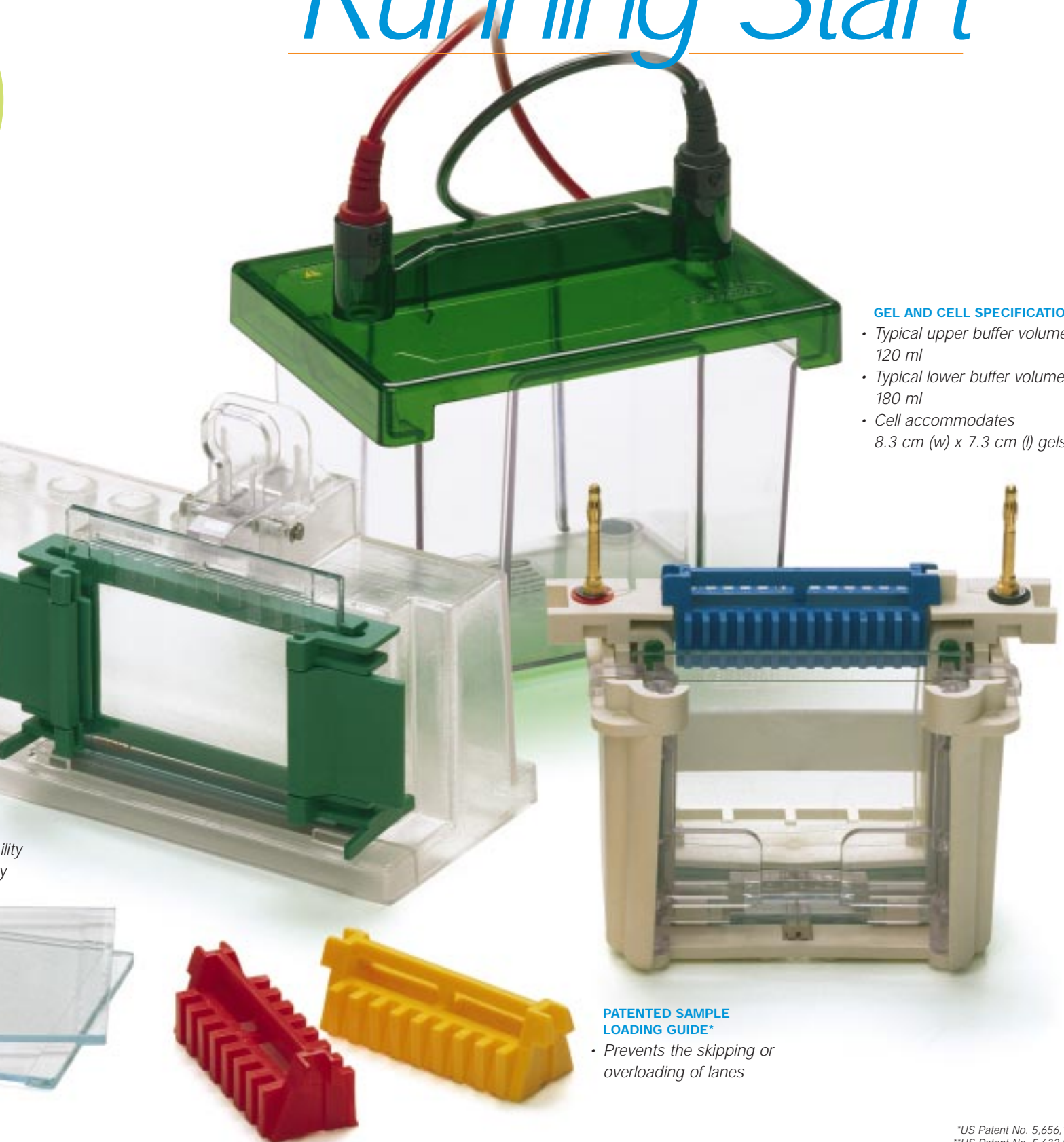
- Built-in ridge eliminates air contact during polymerization
- Marked with thickness and number of wells for instant identification



Gives You a

Running Start

on



GEL AND CELL SPECIFICATIONS

- Typical upper buffer volume: 120 ml
- Typical lower buffer volume: 180 ml
- Cell accommodates 8.3 cm (w) x 7.3 cm (l) gels

PATENTED SAMPLE LOADING GUIDE*

- Prevents the skipping or overloading of lanes

*US Patent No. 5,656,145
**US Patent No. 5,632,877
†Patent pending

Your

Mini Vertical

Electrophoresis Applications

Handcasting is simplified.



Permanently-bonded spacers guarantee perfect alignment and leak-free casting. For proper alignment, simply assemble the casting frame and glass plates on any flat surface. The spring-loaded lever in the casting stand creates a tight seal against the rubber gasket.

Assembly is trouble-free.



Place the gel cassettes in the assembly, transfer to clamping frame, use soft-touch cam closures** to secure the gel cassettes against the gaskets, and you're ready to run!

Gives You a

Running Start



Mini-PROTEAN 3 Modules
WESTERN BLOTTING MODULE

Mini Trans-Blot® transfer cell

- Rapid 1-hour transfers
- Minimal buffer consumption
- Self-contained cooling system

FIRST DIMENSION MODULE

Tube Cell Module

- 18-tube capacity

ELECTRO-ELUTER MODULE

- One to six sample capacity



Ordering Information

Catalog # Description

MINI-PROTEAN 3 SYSTEMS

- 165-3301 Mini-PROTEAN 3 Electrophoresis System, 10-well, 0.75 mm thickness. Complete system includes 2 combs, 5 sets of glass plates, casting stand, 2 casting frames, Sample Loading Guide and Mini-PROTEAN 3 Electrophoresis Module.
- 165-3314 Mini-PROTEAN 3 Cell/PowerPac 300 System (includes 165-3301), 100/120 V
- 165-3315 Mini-PROTEAN 3 Cell/PowerPac 300 System (includes 165-3301), 220/240 V
- 165-3316 Mini-PROTEAN 3 Cell/PowerPac Junior System (includes 165-3301), 100/240 V
- 165-3317 Mini-PROTEAN 3 Cell/Mini Trans-Blot Module, includes Mini-PROTEAN 3 Cell and Mini Trans-Blot Module (modular electrode assembly, 2 gel holder cassettes, 4 fiber pads, Bio-Ice cooling unit, instructions)
- 165-3375 Mini-PROTEAN II Upgrade Kit, includes 1 electrode assembly and 1 clamping frame

For other electrophoresis cell configurations, purchase the Electrophoresis Module (catalog number 165-3302) and select a Casting Module from the table below. If most of your work is done with precast gels, you may elect to purchase just the Electrophoresis Module.

- 165-3302 Mini-PROTEAN 3 Electrophoresis Module, for Ready Gel precast gel applications, includes 1 electrode assembly, 1 clamping frame, tank, lid with power cables, mini cell buffer dam

CASTING MODULES*

	0.5 mm	0.75 mm	1.0 mm	1.5 mm
5-well Comb	—	165-3327	165-3332	165-3338
9-well Comb	—	165-3328	165-3333	165-3339
10-well Comb	165-3325	165-3329	165-3334	165-3340
15-well Comb	165-3326	165-3330	165-3335	165-3341
Prep/2-D Comb	—	165-3331	165-3336	165-3342
IPG Comb	—	—	165-3337	165-3343

*Casting Modules include 2 combs, 5 sets of plates, casting stand, 2 casting frames, and the appropriate Sample Loading Guide.

Catalog # Description

HANDCAST GEL ACCESSORIES AND REPLACEMENT PARTS

- 165-3303 Mini-PROTEAN 3 Casting Stand, 1
- 165-3304 Mini-PROTEAN 3 Casting Frame, 1
- 165-3305 Mini-PROTEAN 3 Casting Stand Gasket (replacement), 2
- 165-3308 Short Plates, 5
- 165-3309 Spacer Plates with 0.5 mm integrated spacers, 5
- 165-3310 Spacer Plates with 0.75 mm integrated spacers, 5
- 165-3311 Spacer Plates with 1.0 mm integrated spacers, 5
- 165-3312 Spacer Plates with 1.5 mm integrated spacers, 5

OTHER REPLACEMENT PARTS

- 165-3306 Mini-PROTEAN 3 Clamping Frame, 1
- 165-3307 Mini-PROTEAN 3 Electrode Assembly, 1
- 165-3201 Sample Loading Guide, 9-well (red), 1
- 165-3146 Sample Loading Guide, 10-well (yellow), 1
- 165-3203 Sample Loading Guide, 12-well (green), 1
- 165-3132 Sample Loading Guide, 15-well (blue), 1
- 165-3130 Buffer Dam, 2
- 165-3149 Replacement Electrode Assembly Gaskets, 2
- 165-3157 Gaskets, for precast carbohydrate gels, 2
- 161-0990 Empty Cassettes, 1.0 mm Ready Gel, 10
- 165-2975 Buffer Tank and Lid, replacement
- 165-2948 Replacement Power Cables
- 165-2949 Cell Lid, with Power Cables
- 900-7680-8 Replacement Platinum Wire, cathode, 8 inches
- 900-7680-13 Replacement Platinum Wire, anode, 13 inches

COMBS (2/PACK)

	0.5 mm	0.75 mm	1.0 mm	1.5 mm
5-well Comb	—	165-3352	165-3357	165-3363
9-well Comb	—	165-3353	165-3358	165-3364
10-well Comb	165-3350	165-3354	165-3359	165-3365
15-well Comb	165-3351	165-3355	165-3360	165-3366
Prep/2-D Comb	—	165-3356	165-3361	165-3367
IPG Comb	—	—	165-3362	165-3368



Bio-Rad
Laboratories

Life Science
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