Storage Conditions

Product	Storage
Pro260 chips	Room temperature
Pro260 reagents	4ºC (protected from light)

Essential Practices

- Always wear gloves when handling reagents and chips
- Handle chips by the edges; do not touch the glass
- Remove chip from packaging only immediately before use
- Avoid sources of dust and contaminants when preparing samples and loading the chip. Foreign particles in reagents, samples, and the wells of the chip can interfere with results
- Deep-clean the electrodes if contamination is suspected or if a chip was left in the instrument overnight
- Use of colored or coated (for example, siliconized polypropylene) tubes when preparing kit reagents or samples is not recommended; such tubes may cause artifacts during the separation
- Refer to the instruction manual for more details

Ordering Information

Catalog #	Description
700-7000	**Experion System**, 100–240 V, for protein analysis, includes electrophoresis station, priming station, software, USB2 cable, instructions (analysis kits sold separately)
700-7101	**Experion Pro260 Analysis Kit for 10 Chips**, includes 10 Pro260 chips, Experion Pro260 reagents and supplies for 10 chips
700-7102	**Experion Pro260 Analysis Kit for 25 Chips**, includes 25 Pro260 chips, Experion Pro260 reagents and supplies for 25 chips
701-7000	**Experion System**, 100–240 V, for protein analysis (700-7000), Experion Pro260 starter kit (700-7110)
700-7110	**Experion Pro260 Starter Kit**
700-7151	**Experion Pro260 Chips**, 10
700-7152	**Experion Pro260 Reagents and Supplies**, for 10 chips, includes 3 x 520 µl Pro260 gel, 45 µl Pro260 stain, 60 µl Pro260 ladder (10–260 kD), 400 µl Pro260 sample buffer, 3 spin filters
700-7251	**Experion Cleaning Chips**, 10
700-7254	**Experion Spin Filters**, 10
163-2091	**ReadyPrep™ Proteomics Grade Water**, 500 ml
161-0610	**Dithiothreitol (DTT) reducing agent**, 1g
161-0710	**2-Mercaptoethanol**, 25 ml
700-7256	**Experion Pro260 Ladder**

Bio-Rad Laboratories, Inc.

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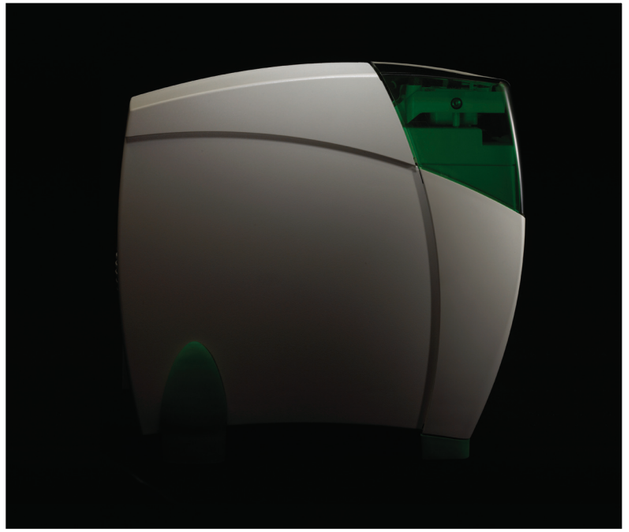

Experion™ Pro260 Analysis Kit

Quick Guide

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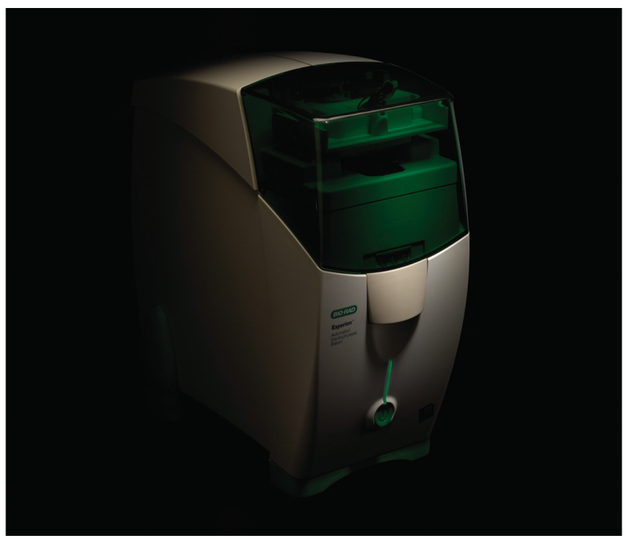
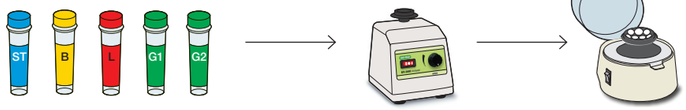


Experion Pro260 Analysis Kit Quick Guide

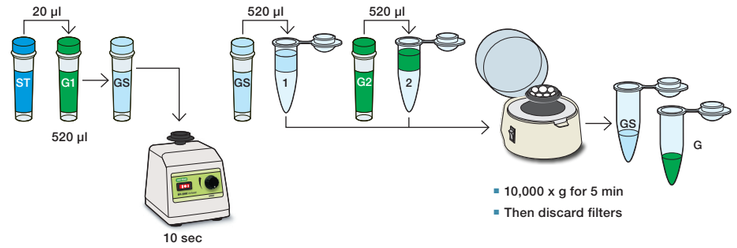
For complete instructions, refer to the Experion Pro260 analysis kit instruction manual. Full manuals are available online at www.bio-rad.com or contact us by phone at 1 800 424 6723 for an electronic copy.
Read the full protocol and essential practices sections if using for the first time.

1 Equilibrate Kit Reagents (ST = stain, B = sample buffer, L = ladder, G = gel)



- Equilibrate reagents to room temperature (~15 min). Protect them from light
- Briefly vortex and spin down reagents

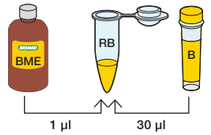
2 Prepare the Gel (G) and Gel-Stain (GS) Solution



Note: Unused filtered GS solution and filtered G may be stored for up to 30 days at 4°C protected from light; each can be used as is within 30 days. After 30 days, GS solution and G must be refiltered before use. GS solution and G may be stored (4°C protected from light) for another 30 days and refiltered before use. Discard GS solution and G after the second refiltering.

3 Prepare the Sample Buffer

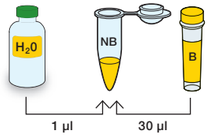
Reducing Conditions



- Prepare 1 tube of reducing buffer (RB) for each chip to be run
- The ladder must be prepared with RB
- Prepare a fresh solution daily

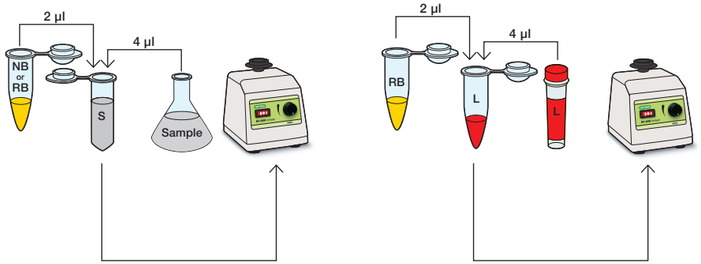
Note: β-mercaptoethanol (BME) or dithiothreitol (DTT) can be used.

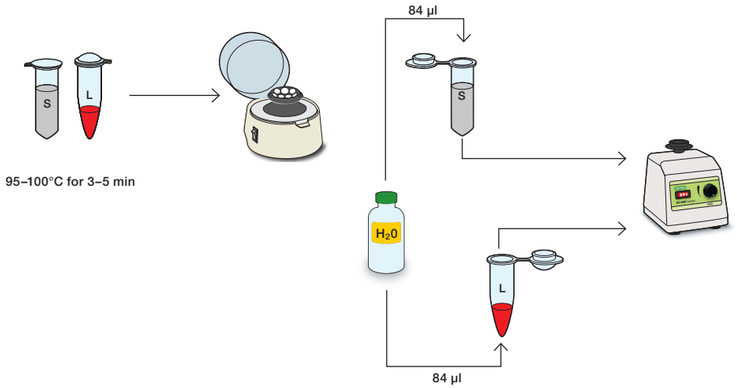
Nonreducing Conditions



- Prepare 1 tube of nonreducing buffer (NB) for each chip to be run
- Samples prepared with RB and NB can be run on the same chip
- Only use ultrapure water (0.2 µm, filtered)

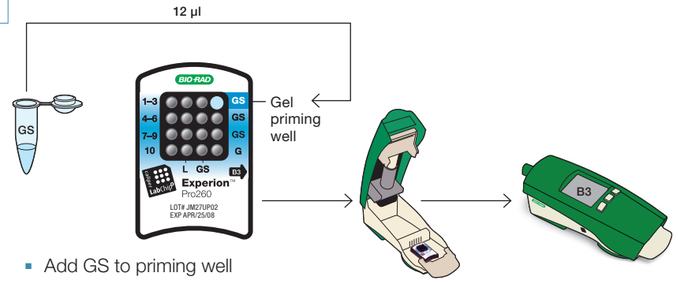
4 Prepare the Samples and Pro260 Ladder





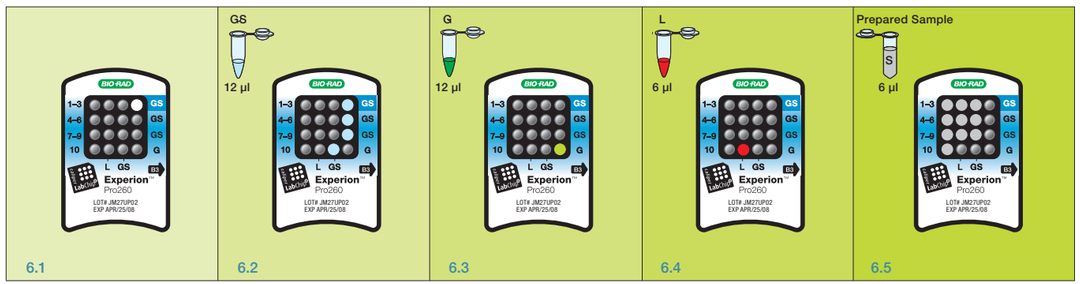
Note: Use only ultrapure water for the 84 µl dilution step.

5 Prime the Chip



- Add GS to priming well
- Select B3 on priming station
- Place chip in station and press **Start**
- Remove chip after priming is complete
- Flip chip over and visually inspect the microchannels for trapped air bubbles or incomplete priming

6 Load the Prepared Samples and Pro260 Ladder Onto the Chip



- Remove remaining GS solution from the **GS** well (gel priming well)
- Pipet 12 µl filtered GS solution into all 4 **GS** wells
- Pipet 12 µl filtered G into well **G**
- Pipet 6 µl diluted protein ladder into well **L**
- Pipet 6 µl diluted sample into wells 1–10

Note: Do not leave any sample well empty. If necessary, pipet a replicate into any empty sample wells; run the chip in the Experion electrophoresis station within 5 min of loading.

7 Run the Pro260 Analysis

- Select **New Run**, then **Protein 260** assay
- Click the **Start** (►) button onscreen
- Select number of samples to run
- When the run is complete, remove and discard the used chip

8 Clean the Electrodes

Note: If using the instrument for RNA analysis after a protein run, use the deep-cleaning procedure instructions in the RNA analysis kit manual or the software version 3.0 Help section (use search term: electrodes).