### **Storage Conditions**

Product	Storage
RNA StdSens chips	Room temperature
RNA ladder	-70°C
Rest of reagents	4°C (protected from light)

**Essential Practices** 

- Aliquot the stock ladder to avoid multiple freeze/thaw cycles
- Use heat to denature RNA ladder and samples just before use
- Use RNase-free microcentrifuge tubes, pipet tips, and water or TE buffer
- 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	Catalog #	Description
700-7001	Experion System, 100–240 V, for RNA and DNA analyses, includes electrophoresis station, priming station, vortex station, software, USB2 cable, instructions (analysis kits sold separately)	700-7111 700-7153 700-7154	<ul> <li>-7153 Experion RNA StdSens Chips, 10</li> <li>-7154 Experion RNA StdSens Reagents and Supplies, for 10 chips, includes 1,250 µl RNA gel, 20 µl RNA StdSens stain, 20 µl RNA ladder, 900 µl RNA StdSens loading buffer, 2 spin filters</li> <li>-7251 Experion Cleaning Chips, 10</li> <li>-7252 Experion Electrode Cleaner, 250 ml</li> <li>-7253 Experion DEPC-Treated Water, 100 ml</li> </ul>
700-7103	Experion RNA StdSens Analysis Kit for 10 Chips, includes 10 RNA StdSens chips, Experion RNA StdSens reagents and supplies for 10 chips	700-7251	
700-7104	Experion RNA StdSens Analysis Kit for 25 Chips, includes 25 RNA StdSens chips, Experion RNA StdSens reagents and supplies for 25 chips	700-7252 700-7253 700-7254	
701-7001	Experion System, 100–240 V, for RNA and DNA analyses (700-7001), Experion RNA StdSens starter kit (700-7111)	700-7255	Experion RNA Ladder



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# Experion<sup>™</sup> RNA StdSens Analysis Kit

Quick Guide

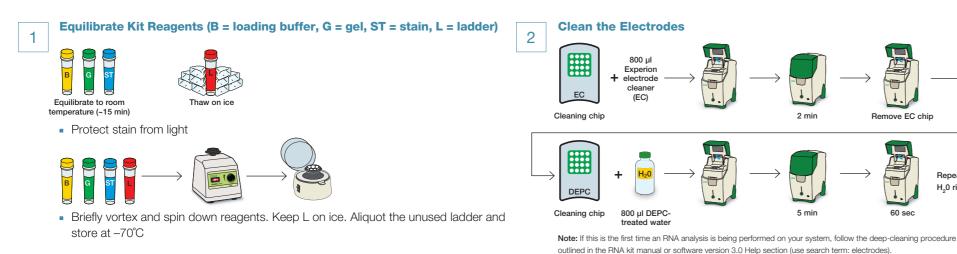






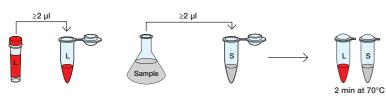
# Experion RNA StdSens Analysis Kit Quick Guide

For complete instructions, refer to the Experion RNA StdSens 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.

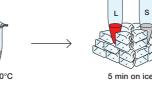


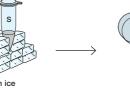


4



Load the Prepared Samples and RNA Ladder Onto the Chip







2 min

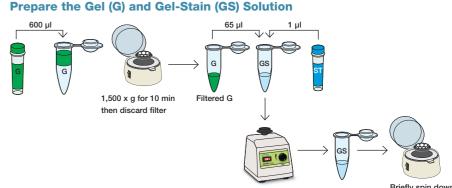
5 mir



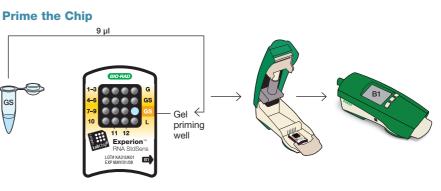
Remove FC chip

60 sec

Repeat DEPC H<sub>2</sub>0 rinse.



Note: Filtered gel (G) may be stored for up to 1 month at 4°C (protected from light). After 1 month, unused gel should be refiltered before it is used again. Prepare fresh GS daily.



Add GS to priming well

3

5

7

GS

- Select B1 on priming station
- Place chip in station and press Start
- Remove chip after priming is complete

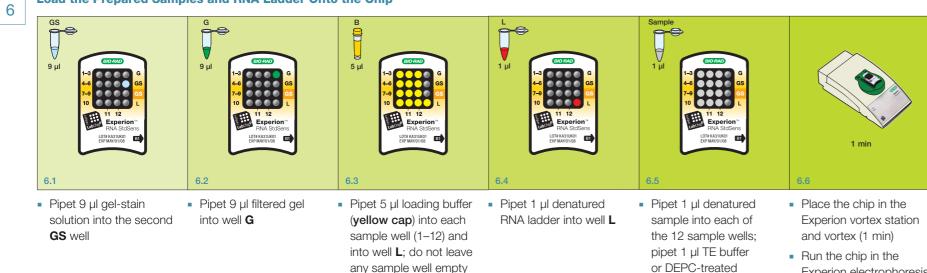
## **Run the RNA StdSens Analysis**



- Select **New Run**, then the desired Experion RNA StdSens Assay (Eukaryotic, Prokaryotic Total RNA, or Eukaryotic mRNA)
- Click the Start ( ► ) button onscreen
- Select number of samples to run
- When the run is complete, remove and discard the used chip
- Experion electrophoresis station within 5 min of loading

water into any unused

sample wells



any sample well empty





Briefly spin down

- Flip the chip over and visually inspect the microchannels

8

for trapped air bubbles or incomplete priming

## **Clean the Electrodes**

• DEPC H<sub>2</sub>0 rinse as in step 2, except rinse for 1 min