

AUTOMATED ELECTROPHORESIS

Experion™ RNA HighSens and RNA StdSens Analysis Kits

- For automated electrophoresis, detection, and basic analysis with the Experion system
- Analysis of 1–12 samples in as little as 10–30 minutes
- Accurate RNA quantitation
- Single-step RNA purity determination
- Innovative Caliper Life Sciences' LabChip technology



Single-Step RNA Analysis in 30 Minutes

Introduction

Experion RNA HighSens and RNA StdSens analysis kits combine state-of-the-art chip design with high-quality reagents to perform reproducible, quantitative, and accurate RNA analysis in a matter of minutes with the Experion system. Streamlined chip preparation methods and minimal sample requirements result in rapid experiments with minimal hands-on time.

The Experion RNA HighSens and RNA StdSens Advantage

Innovative chip design, chemistry, software, and hardware make RNA separation and quantitation fast and easy.

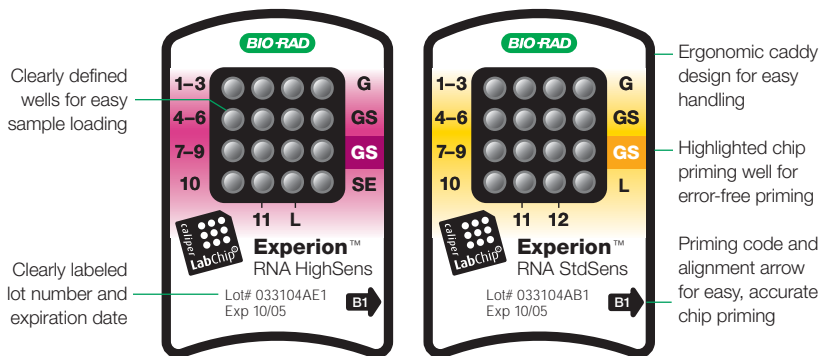
- Single-step determination of RNA purity
- RNA ladder included in each kit
- Analysis of 1–12 samples in as little as 10–30 minutes
- Accurate quantitation of nanogram amounts of RNA

- Sensitivity down to 100 pg/μl with the RNA HighSens kit, dynamic range of 100–5,000 pg/μl
- Sensitivity down to 5 ng/μl with the RNA StdSens kit, dynamic range of 5–500 ng/μl

Experion RNA HighSens and RNA StdSens Chips

Experion RNA chips offer an optimized microchannel architecture within an ergonomic caddy for exceptional RNA separation, chip handling, and results. Each RNA HighSens chip holds up to 11 samples, and each RNA StdSens chip holds up to 12. The chips are clearly labeled with well number, priming code, lot number, and expiration date for easy, error-free runs.

	Shelf Life	Storage Conditions
Experion RNA chips	9 months	Ambient
Experion RNA ladder	9 months	–20°C
Experion RNA reagents, supplies	9 months	4°C

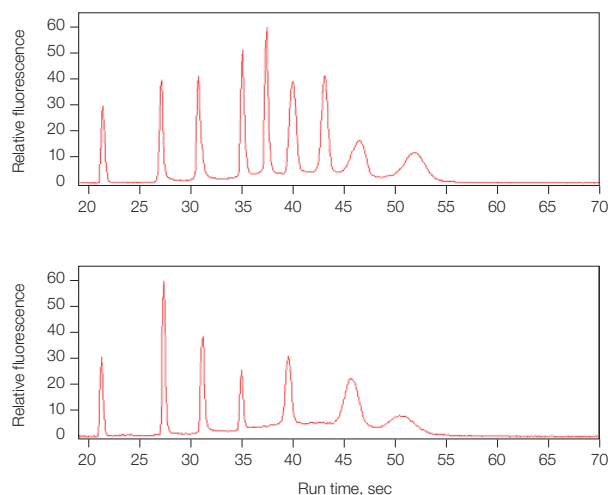


Actual size
(30 x 50 x 10 mm)

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Experience Meets Innovation



Comparison of RNA separation on automated systems.

Upper panel, Experion RNA ladder separated on an RNA StdSens chip, displayed using Experion software; lower panel, a competitor's RNA ladder separated and displayed using a competitor's automated electrophoresis system. Run time, ~60 sec. The Experion RNA ladder provides more uniform peak heights (fluorescence intensities), resulting in improved quantitation.

Experion RNA HighSens and RNA StdSens Reagents

Accurate assessment of RNA purity is essential to the success of quantitative RT-PCR and microarray experiments. Experion RNA analysis kits offer single-step RNA purity determination for confidence without delay. Experion RNA analysis kits include the following reagents and supplies:

- High-quality gel matrix for improved separation compared to agarose RNA gels, with significantly lower sample requirements
- Fluorescent dye for high-sensitivity, accurate detection
- Exclusive Experion RNA ladder for accurate sizing and quantitation
- Optimized loading buffer for reproducible results
- Sensitivity enhancer in RNA HighSens kit for accurate analysis at picogram levels
- Spin filters for convenient gel preparation

Ordering Information

Catalog #	Description	Catalog #	Description
700-7103	Experion RNA StdSens Analysis Kit for 10 Chips, includes 10 RNA StdSens chips, 1,250 µl RNA gel, 20 µl RNA StdSens stain, 20 µl RNA ladder, 900 µl RNA StdSens loading buffer, 2 spin filters	700-7156	Experion RNA HighSens Reagents and Supplies, for 10 chips, includes 1,250 µl RNA gel, 20 µl RNA HighSens stain, 20 µl RNA ladder, 900 µl RNA HighSens loading buffer, 100 µl RNA sensitivity enhancer, 2 spin filters
700-7104	Experion RNA StdSens Analysis Kit for 25 Chips, includes 25 RNA StdSens chips, 2 x 1,250 µl RNA gel, 2 x 20 µl RNA StdSens stain, 2 x 20 µl RNA ladder, 2 x 900 µl RNA StdSens loading buffer, 4 spin filters	700-7001	Experion System, 100/120 V, for RNA analysis, includes electrophoresis station, priming station, vortex station, software, USB2 cable, test chip, instructions (analysis kits sold separately)
700-7105	Experion RNA HighSens Analysis Kit for 10 Chips, includes 10 RNA HighSens chips, 1,250 µl RNA gel, 20 µl RNA HighSens stain, 20 µl RNA ladder, 900 µl RNA HighSens loading buffer, 100 µl RNA sensitivity enhancer, 2 spin filters	700-7252	Experion Electrode Cleaner, 250 ml
700-7106	Experion RNA HighSens Analysis Kit for 25 Chips, includes 25 RNA HighSens chips, 2 x 1,250 µl RNA gel, 2 x 20 µl RNA HighSens stain, 20 µl RNA ladder, 2 x 900 µl RNA HighSens loading buffer, 2 x 100 µl RNA sensitivity enhancer, 4 spin filters	700-7253	Experion DEPC-Treated Water, 100 ml
700-7153	Experion RNA StdSens Chips, 10		
700-7154	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		
700-7155	Experion RNA HighSens Chips, 10		



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These products are licensed under U.S. Patent Nos. 5,863,753, 5,658,751, 5,436,134 and 5,582,977, and pending patent applications, and related foreign patents, for internal research and development use only in detecting, quantitating and sizing macromolecules, in combination with microfluidics, where internal research and development use expressly excludes the use of this product for providing medical, diagnostic, or any other testing, analysis or screening services, or providing clinical information or clinical analysis, in any event in return for compensation by an unrelated party.

Practice of the patented polymerase chain reaction (PCR) process requires a license.

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