One instrument. Multiple discs. Expanded molecular lab capabilities.

Empowering — comprehensive analytical software
Expandable — seamlessly adapts to your high-volume testing needs
Efficient — a fully integrated molecular testing capability results from an ideal balance of advanced instrumentation, consumables and software — working in tandem

LIAISON® MDX SPECIFICATIONS

DIMENSIONS 12 in/31 cm deep; 8 in/21 cm wide; 12 in/31 cm high
WEIGHT 17 lb/8 kg
REACTION RAMP RATES Heating >5˚C/sec; Cooling >4˚C/sec
UNIVERSAL DISC 96-reaction-well, single-use disc
10 µL reaction volume
Ability to perform multiple assays per disc
Polypropylene construction with nucleic acid-compatible adhesive
DIRECT AMPLIFICATION DISC 8-reaction-well, multi-use disc
50 µL sample volume
Samples do not require nucleic acid extraction
SOFTWARE LIS connectivity available
BAR CODE SCANNER Facilitates easy sample loading and decreases transcription error
OPTICS 4-channel optical multiplex
Channel 1 Excitation 475 nm Detection 520 nm
Channel 2 Excitation 530 nm Detection 560 nm
Channel 3 Excitation 580 nm Detection 610 nm
Channel 4 Excitation 640 nm Detection 682 nm
High sensitivity photomultiplier detection system
THERMAL ACCURACY AND UNIFORMITY +/- 0.5˚C (ambient to 99˚C)
POWER REQUIREMENTS 110/220 Volt compatible
REAL-TIME DATA DISPLAY
Clear, clean graphics allow complete analysis of qualitative assays.

The LIAISON® MDX is an innovative and powerful thermocycler with two consumable disc options: the 8-well Direct Amplification Disc for sample-to-answer testing and the 96-well Universal Disc for higher volume testing.

Supported by an expanding menu of molecular assays, the LIAISON® MDX is flexible, allowing you to run real-time PCR for qualitative, quantitative and multiplex detection. The instrument performs both IVD as well as Laboratory Developed Tests.

The LIAISON® MDX software provides easy to understand results with the ability to check amplification curves after a run. The software also plots QC Charts and can be bi-directionally interfaced with LIS for easy integration into any lab workflow. You can also access and navigate the software during a run.

The instrument is compact with an extremely small footprint measuring only 12 in/31 cm by 8 in/21 cm by 12 in/31 cm.

QUICK PICKS
Preview past runs and save time by loading common assay definitions into Quick Picks menu for easy, one-touch access.

EASY RUN SETUP
Multitask like an expert: start a run from a single screen, or start one without waiting for the last run to end.

THE LIAISON® MDX WAS DESIGNED TO IMPACT THE DAILY EXPERIENCES OF LABORATORIANS

Quick picks

Assay definition setup

Real-time data display


ONE INSTRUMENT. MULTIPLE DISCS. ULTIMATE FLEXIBILITY.

EXPAND YOUR LAB’S MOLECULAR CAPABILITIES.

8 wells
DIRECT AMPLIFICATION DISC

1 Direct amplification of sample – no nucleic acid extraction required
2 Convenient sample processing – the ability to run from 1 to 8 samples at a time and re-run the disc with unused wells
3 Sample metering capabilities to ensure correct sample inputs
4 Fluid checks are performed to ensure sample addition which prevents false negatives if a sample is accidentally not loaded
5 Generates results that are easy to understand in as little as an hour

96 wells
UNIVERSAL DISC

1 Process up to 96 samples in as little as an hour
2 The ability to process multiple targets simultaneously
3 Small reaction volume – only use a maximum of 15µL
4 Open channel availability
5 Can be used with extracted DNA/RNA or non-extracted samples

Assay definition set-up

Select from a variety of options: Universal or Direct Amplification Disc, and which qualitative assay.

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