

(ACTUAL SIZE)

# LIAISON<sup>®</sup> MDX

## simplexa<sup>™</sup>

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<sup>®</sup> 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 require no preprocessing		
SOFTWARE	Preinstalled with bidirectional connectivity allowing for simple run set-up, data analysis and information management		
BAR CODE SCANNER	Facilitates easy sample loading and decreases transcription error		
OPTICS	4-channel optical multi-plex Channel 1      Excitation 475 nm      Detection 520 nm Channel 2      Excitation 520 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		



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Class 1 laser product. DANGER – Laser radiation when open and interlock defeated.  
AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION.

Product availability subject to required regulatory approvals.  
M0870004342 - VER: OUSLMDXBR1017

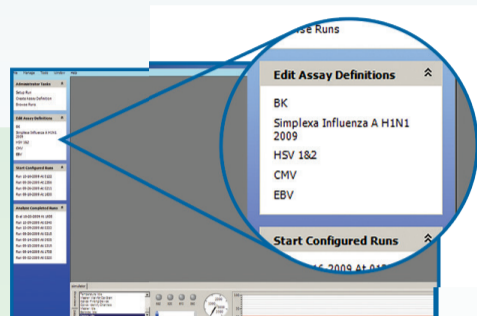
## COMPACT. POWERFUL. EXPANDABLE.

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.

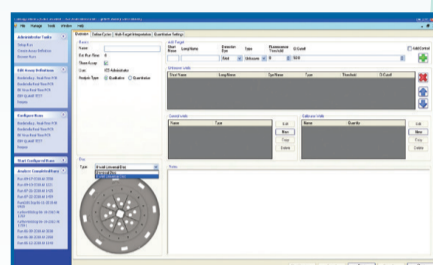
Supported by an expanding menu of molecular assays, the LIAISON® MDX is flexible, allowing you to run real-time PCR for qualitative, quantitative and multi-analyte detection. The instrument performs both IVD as well as Laboratory Developed Tests.

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 and expandable, with an extremely small footprint and the ability to connect and control up to four instruments with one laptop.



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

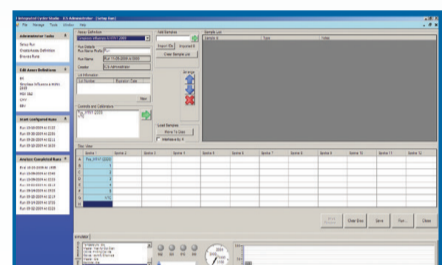


#### QUICK PICKS

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

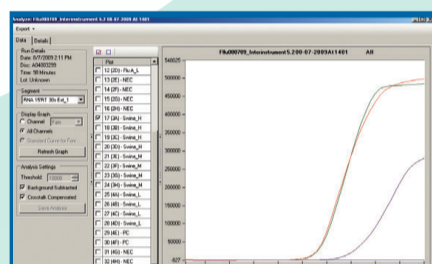
#### ASSAY DEFINITION SET-UP

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



#### EASY RUN SET-UP

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



#### REAL-TIME DATA DISPLAY

Clear, clean graphics allow complete analysis of qualitative assays.

## ONE INSTRUMENT. MULTIPLE DISCS. ULTIMATE FLEXIBILITY.

EXPAND YOUR LAB'S MOLECULAR CAPABILITIES

### 8 wells DIRECT AMPLIFICATION DISC



- 1 Direct amplification of sample – no DNA/RNA 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 10 µL
- 4 Open channel availability
- 5 Can be used with extracted DNA/RNA or non-extracted samples

