



LIAISON® 

LIAISON[®] XS DELIVERS THE DIFFERENCE

Quality and reliability of performance through the proven technology of DiaSorin solutions.

LIAISON[®] XS

Delivers a high technology solution for immunochemistry tests that allows laboratories to improve efficiency and clinical effectiveness for routine and specialty testing.





PROVEN TECHNOLOGY

Every laboratory is different.

Different history, different experiences and different needs. That's why the LIAISON® family is growing.

Through LIAISON® XS, even in low volume laboratories can be achieved an higher efficiency and a new effectiveness.

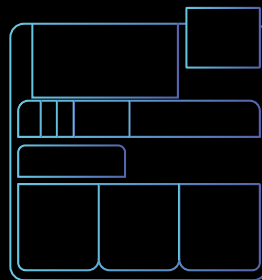
Leader in immunochemistry specialties, DiaSorin provides to all the laboratories a test menu with more than 110 analytes including Stool Testing, QuantiFERON® and PCT.

LIAISON® XS will provide the difference offering a new level of reliability and higher performance in results quality and workflow efficiency and optimization.

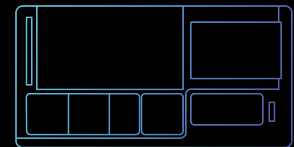
LIAISON® FAMILY CONCEPT



LIAISON®



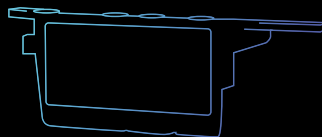
LIAISON® XL



LIAISON® XS

DIFFERENT SOLUTIONS, UNIQUE TECHNOLOGY

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REAGENT INTEGRAL

COMPACT DESIGN

One single system, completely automated
with efficient design and reduced dimensions



	cm	inch
Width	127	50"
Depth	75	26"
Height	71	27"
.....		
	kg	lbs
Weight	137	302

Nice, modern and complete bench-top analyzer, LIAISON® XS already features an integrated PC.

An optional table is available

LIAISON X

EFFICIENT SOLUTIONS

STARTER REAGENT AREA

TIP AND CUVETTE AREA

SAMPLE AREA.....

EASY WASTE





..... PANEL PC WITH TOUCH SCREEN

.....
STATUS LIGHT

..... REAGENT AREA

INNOVATIVE SOFTWARE

An intuitive and complete software allows the operator to manage needs and efficiently organize the activities workflow through:

MAIN FEATURES

- QC software monitoring
- Connectivity to LIS (host) and/or Middleware in bidirectional interface
- **Automated daily auto Init/ Resume**
(time: end user defined)
- **Patient search on the whole history of performed tests**



REMOTE CONNECTIVITY (IoT)

- Assays imported directly on the LIAISON[®] XS
- Predictive Service alerting system

IN-PROCESS CONTROL

- Sample level detection
- Sample integrity (clot, volume check)
- Reagent level detection
- Reagent integrity (volume check)
- Washer aspiration check
- Starter dispense check
- Spike detection and Dark Count monitoring
- Critical temperatures regulation and check
- Quality check of acquired signal

LIAISON[®] XS software offers an upfront quantity consumption estimation to harmonize walk away. Moreover in the instrument software a shortage indication for consumables and reagents is visible.

EFFICIENT WORKFLOW

Through competence, reliability and commitment

REAGENTS AREA



The reagents area is refrigerated and allows continuous loading of reagents Integrals or Ancillaries and to ensure safe process, the operator will be driven by a SW LED-light during load and unload activities. **Up to 10 Integrals and up to 4 ancillary** reagents can be used at the same time. Multiple of the same Integral can be loaded at the same time if needed.

SAMPLE AREA



Workflow optimization and process control with sample continuous loading supported by tube identification via integrated barcode scanner or manual editing.

LIAISON® XS sample area allows up to 4 sample racks simultaneously.

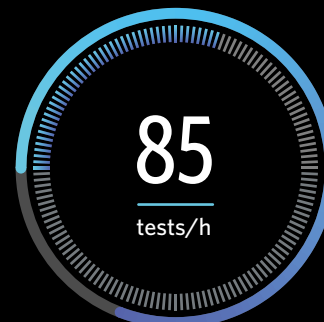
A total of 48 tubes can be loaded, among primary or secondary tubes, or calibrators, or controls.

INTEGRAL TECHNOLOGY

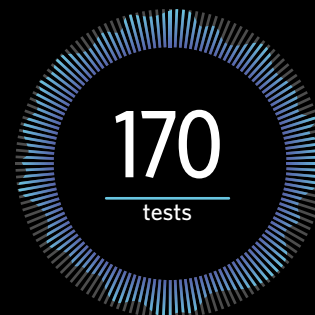


LIAISON® XS utilizes chemiluminescence technology: the same proven quality technology used for LIAISON® systems. In most of the cases, all components are ready to use in one Integral. Most of the Integrals include the calibrators improving efficiency and results standardization. All the information related to each Integral (unique serial number, calibration, on board stability and shelf life, number of remaining determinations, etc) are included and constantly monitored and updated through RFID technology.

THROUGHPUT



SYSTEM WALKAWAY



CONSUMABLES

With upfront consumption estimation and shortage indication

SAMPLE AND REAGENTS IN CONTINUOUS LOADING

Can be loaded and/or removed without interruption of the instrument activities

WASTE CAPACITY

Solid waste	Up to 360 pieces of disposable tips and cuvettes per disposable box
Liquid waste	10 L canister*

CONTINUOUS OPERATION

Loading/unloading of items during system operation	Includes: Sample racks / Reagent integrals / Ancillaries / Control racks
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USER INTERFACE

PC / Operating System / GUI	17" All - in -one touch screen panel PC with Microsoft Windows 10 <ul style="list-style-type: none">▪ Quick access to all pages▪ Critical events and actions recorded▪ Software-guided and logged maintenance
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RESULTS MANAGEMENT

Viewing and editing	<ul style="list-style-type: none">▪ Results available at all times▪ Sort, search, filter (display customization available)▪ Possibility of evaluation, validation and release of results prior to printing or LIS reporting
Retest	Retest always available, even automated based on predefined rules
Back-up	Results can be stored manually or automatically
Privacy/safety	Compliant with privacy / safety regulations

ENVIRONMENTAL FEATURES

Electrical	90-240V, 50-60 Hz
Operating temperature	15-32°C / 59°F to 90°F
Operating humidity	10%-85% RH non condensing
Dimensions (monitor and accessories excluded)	Height: 27 in or 71 cm Width: 50 in or 127 cm Depth: 26 in or 75 cm Weight: 302 lbs or 137 kg

OVERVIEW

System description	Random access or batch immunoassay system
Throughput	Up to 85 tests per hour
Time to first result	17 minutes - assay dependent

SAMPLES AND SAMPLE HANDLING

Sample racks	6-mm to 15-mm internal diameter. Up to 100-mm height
Sample capacity	48 samples, 12-position sample racks in a 4-lane sample area
Walk-away time	Approximately 2 hours
Stat handling	STAT may be assigned to any position in the sample area
Sample type	Serum / plasma / urine / CSF
Sample integrity control	<ul style="list-style-type: none">▪ Pneumatic-based level sensor▪ Aspirated/dispensed volume detection and flagging▪ Clot detection and flagging

BARCODES

Sample tubes (all reading types may be active simultaneously) Control sera	EAN / Code 128 / Code 39 / Cod-a-bar / Interleaved 2 of 5 / 2D barcodes recognized by hand-held scanner
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REAGENTS AND REAGENT HANDLING

Reagent cooling	13°C ± 2°C / 52°F to 59°F
Reagent integrity control	<ul style="list-style-type: none">▪ Radio Frequency identification (RFID)▪ Automatic inventory tracking and updating to integral RFID tag▪ Tracking of on-board stability
Reagent capacity	10-position cooled storage for reagent integrals + 4 position cooled storage for ancillary reagents

CONSUMABLE CAPACITY

Cuvettes	On board capacity: up to 172
Disposable Tips	On board capacity: 192
Wash Buffer	10 L canister*
System Liquid	10 L canister*
System cleaning solution	10 L dedicated canister*

*external below the instrument.

LIAISON[®] XS DELIVERS VALUE

Performances that are benefits in a laboratory organization

EFFICIENCY



ORGANIZATION

- Process control
- Reliability
- Effective TAT

EFFECTIVENESS



CLINICAL VALUE

- Test Menu
- Test Panel
- DiaSorin Competence

RELIABILITY



QUALITY

- Excellence in technology
- Knowhow
- DiaSorin Experience

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DiaSorin

The Diagnostic Specialist

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