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.
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.
COMPACT DESIGN

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

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<tr>
<th></th>
<th>cm</th>
<th>inch</th>
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<tbody>
<tr>
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<td>50”</td>
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<td>Depth</td>
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<td>27”</td>
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<table>
<thead>
<tr>
<th></th>
<th>kg</th>
<th>lbs</th>
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<tbody>
<tr>
<td>Weight</td>
<td>137</td>
<td>302</td>
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Nice, modern and complete bench-top analyzer, LIAISON® XS already features an integrated PC.

An optional table is available
EFFICIENT SOLUTIONS

STARTER REAGENT AREA

TIP AND CUVE TTE AREA

SAMPLE AREA

EASY WASTE
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.

**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

**INNOVATIVE SOFTWARE**

An intuitive and complete software allows the operator to manage needs and efficiently organize the activities workflow through:
EFFICIENT WORKFLOW
Through competence, reliability and committment

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 thought RFID technology.

THROUGHPUT

85 tests/h

SYSTEM WALKAWAY

170 tests

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Details</th>
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<tbody>
<tr>
<td>Solid waste</td>
<td>Up to 360 pieces of disposable tips and cuvettes per disposable box</td>
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<tr>
<td>Liquid waste</td>
<td>10 L canister*</td>
</tr>
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</table>

### CONTINUOUS OPERATION

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

### USER INTERFACE

- **PC / Operating System / GUI**
  - 17” All - in - one touch screen panel PC with Microsoft Windows 10
    - Quick access to all pages
    - Critical events and actions recorded
    - Software-guided and logged maintenance

### RESULTS MANAGEMENT

**Viewing and editing**
- 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

### 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**
  - 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

### REAGENTS AND REAGENT HANDLING

- **Reagent cooling**
  - 13°C ± 2°C / 52°F to 59°F

- **Reagent integrity control**
  - 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
For outside the US and Canada only
Product availability subject to required regulatory approval

Check availability in your country by contacting the DiaSorin
subsidiary or the distributor on site