

# **ARIES**<sup>®</sup>

Welcome to the New Way to Work



## **ARIES**®

### Welcome to the New Way to Work

The ARIES® System is crafted to increase laboratory efficiency, ensure result accuracy, and fit seamlessly into today's lean laboratory.

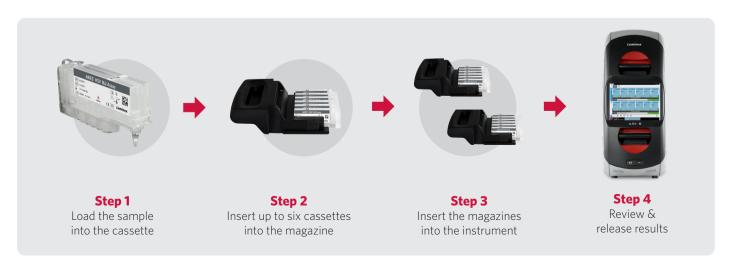
#### **Designed for Improved Lab Efficiency and Workflow**

- Universal Assay Protocol may enable multiple sample types and up to 12 different assays to be run together in a Random Batch.
- ARIES® software and user interface allow you to control every aspect of the sample to answer environment in your laboratory.
- Two independent modules allow for simultaneous STAT and batch testing on a single ARIES® System.
- Electronic reporting accelerates delivery of results.

#### **Designed for Seamless Integration and Testing Accuracy**

- Internal barcode scanning matches samples to cassettes, enabling Position Independent Results no matter where each cassette is placed.
- Integrated sample processing control ensures the assay run is successful from extraction through amplification.
- Bidirectional LIS connectivity enables electronic ordering.\*
- Integrated touchscreen PC eliminates the need for computer peripherals, maximizing valuable bench space.

#### Workflow



 $<sup>{}^{\</sup>star}\mbox{Validation}$  of the LIS compatibility must be performed by the user.

#### **Specifications**

Areight 63.5 kg (140 lb)  are Supply 120 volts (US) or 220 volts (EU)  tartup Time Less than 5 minutes  ands-on Time* Less than 2 minutes/sample  time to Results Less than 2 hours  48 results in 8 hours  ample Input Volume 200-400 µL  crocessing 2 Independent modules (1-6 samples/module); allows Random Batch and STAT testing  ata Input Handheld/internal bar scanning/manual  C Integrated touchscreen  perating System Microsoft Windows 10  ARIES* assay cassettes  ncillary Equipment (optional) Printer for ARIES* instrument  eat Source Peltier  eat Output (BTU) 2730  perating Temperature 15° C to 35° C (59° F to 95° F)  semperature Control 55° C to 95° C (131° F to 203° F) within +/-1.0° C  onnectivity Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats								
tartup Time Less than 5 minutes  Less than 2 minutes/sample Less than 2 minutes/sample Less than 2 minutes/sample Less than 2 minutes/sample Less than 2 hours  12 samples in less than 2 hours 48 results in 8 hours  200–400 μL  200–400 μL  Landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  18 languate touchscreen  Less than 2 hours  19 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  19 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules (1-6 samples/module); allows Random Batch and STAT testing  10 landpendent modules	Physical Dimensions (Approximate)	39.1 cm x 61.2 cm x 95.0 cm (15.4" x 24.1" x 37.4")						
Less than 5 minutes  Less than 2 minutes/sample  Less than 2 minutes/sample  Less than 2 minutes/sample  Less than 2 hours  12 samples in less than 2 hours  48 results in 8 hours  200-400 µL  200-400 µL  Lass than 2 hours  2 Independent modules (1-6 samples/module); allows Random Batch and STAT testing  ata Input  Handheld/internal bar scanning/manual  C Integrated touchscreen  Microsoft Windows 10  Onsumables  ARIES* assay cassettes  Incillary Equipment (optional)  Printer for ARIES* instrument  eat Source  Peltier  eat Output (BTU)  2730  perating Temperature  15° C to 35° C (59° F to 95° F)  emperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  Onnectivity  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Weight	63.5 kg (140 lb)						
Less than 2 minutes/sample lime to Results  Less than 2 hours  12 samples in less than 2 hours 48 results in 8 hours  200-400 µL  200-400 µL  12 Independent modules (1-6 samples/module); allows Random Batch and STAT testing ata Input Handheld/internal bar scanning/manual  C Integrated touchscreen  Microsoft Windows 10  onsumables ARIES* assay cassettes  ncillary Equipment (optional) Printer for ARIES* instrument eat Source Pettier eat Output (BTU) 2730  perating Temperature 15° C to 35° C (59° F to 95° F) semperature Control 55° C to 95° C (131° F to 203° F) within +/-1.0° C onnectivity Network and 5 x USB Type-A ports Integrates bidirectionally with LIS either through HL7 or CSV file formats	Power Supply	120 volts (US) or 220 volts (EU)						
Less than 2 hours  12 samples in less than 2 hours 48 results in 8 hours  200–400 μL  200–400 μL  12 lndependent modules (1-6 samples/module); allows Random Batch and STAT testing  ata Input  Handheld/internal bar scanning/manual  C Integrated touchscreen  Microsoft Windows 10  ARIES* assay cassettes  ncillary Equipment (optional)  Printer for ARIES* instrument  eat Source  Peltier  eat Output (BTU)  2730  perating Temperature  15° C to 35° C (59° F to 95° F)  semperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  Network and 5 x USB Type-A ports  lntegrates bidirectionally with LIS either through HL7 or CSV file formats	Startup Time	Less than 5 minutes						
12 samples in less than 2 hours 48 results in 8 hours  200–400 μL  rocessing 2 Independent modules (1-6 samples/module); allows Random Batch and STAT testing  ata Input Handheld/internal bar scanning/manual  C Integrated touchscreen  Microsoft Windows 10  ARIES* assay cassettes  ncillary Equipment (optional) Printer for ARIES* instrument  eat Source Peltier  eat Output (BTU) 2730  perating Temperature 15° C to 35° C (59° F to 95° F)  emperature Control 55° C to 95° C (131° F to 203° F) within +/- 1.0° C  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Hands-on Time*	Less than 2 minutes/sample						
48 results in 8 hours  200-400 μL  rocessing 2 Independent modules (1-6 samples/module); allows Random Batch and STAT testing  ata Input Handheld/internal bar scanning/manual  C Integrated touchscreen  perating System Microsoft Windows 10  Onsumables ARIES* assay cassettes  ncillary Equipment (optional) Printer for ARIES* instrument  eat Source Peltier  eat Output (BTU) 2730  perating Temperature 15° C to 35° C (59° F to 95° F)  emperature Control 55° C to 95° C (131° F to 203° F) within +/- 1.0° C  onnectivity Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Time to Results	Less than 2 hours						
2 Independent modules (1-6 samples/module); allows Random Batch and STAT testing  ata Input  Handheld/internal bar scanning/manual  Integrated touchscreen  Microsoft Windows 10  ARIES* assay cassettes  ncillary Equipment (optional)  Printer for ARIES* instrument  eat Source  Peltier  eat Output (BTU)  2730  perating Temperature  15° C to 35° C (59° F to 95° F)  emperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Throughput							
ata Input  Handheld/internal bar scanning/manual  Integrated touchscreen  Microsoft Windows 10  ARIES* assay cassettes  ncillary Equipment (optional)  Printer for ARIES* instrument  eat Source  Peltier  eat Output (BTU)  2730  perating Temperature  15° C to 35° C (59° F to 95° F)  emperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  onnectivity  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Sample Input Volume	200-400 μL						
Integrated touchscreen  Microsoft Windows 10  ARIES* assay cassettes  ARIES* instrument  Printer for ARIES* instrument  Peat Source  Peltier  Peat Output (BTU)  2730  perating Temperature  15° C to 35° C (59° F to 95° F)  Pemperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Processing	2 Independent modules (1-6 samples/module); allows Random Batch and STAT testing						
monsumables  ARIES* assay cassettes  Printer for ARIES* instrument  eat Source  Peltier  eat Output (BTU)  perating Temperature  15° C to 35° C (59° F to 95° F)  emperature Control  S5° C to 95° C (131° F to 203° F) within +/- 1.0° C  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Data Input	Handheld/internal bar scanning/manual						
ARIES* assay cassettes  ncillary Equipment (optional)  Printer for ARIES* instrument  eat Source  Peltier  eat Output (BTU)  2730  perating Temperature  15° C to 35° C (59° F to 95° F)  emperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  onnectivity  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	PC	Integrated touchscreen						
Printer for ARIES* instrument  Pettier  Pettier  Pettier  15° C to 35° C (59° F to 95° F)  Pemperature Control  The strument of the strument o	Operating System	Microsoft Windows 10						
eat Source  eat Output (BTU)  2730  perating Temperature  15° C to 35° C (59° F to 95° F)  emperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  onnectivity  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Consumables	ARIES® assay cassettes						
eat Output (BTU)  2730  perating Temperature  15° C to 35° C (59° F to 95° F)  emperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  Onnectivity  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Ancillary Equipment (optional)	Printer for ARIES® instrument						
perating Temperature  15° C to 35° C (59° F to 95° F)  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  Network and 5 x USB Type-A ports  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Heat Source	Peltier						
emperature Control  55° C to 95° C (131° F to 203° F) within +/- 1.0° C  Network and 5 x USB Type-A ports  etwork Settings  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Heat Output (BTU)	2730						
onnectivity  Network and 5 x USB Type-A ports  etwork Settings  Integrates bidirectionally with LIS either through HL7 or CSV file formats	Operating Temperature	15° C to 35° C (59° F to 95° F)						
etwork Settings Integrates bidirectionally with LIS either through HL7 or CSV file formats	Temperature Control	55° C to 95° C (131° F to 203° F) within +/- 1.0° C						
	Connectivity	Network and 5 x USB Type-A ports						
<b>etector</b> Photodiode	Network Settings	Integrates bidirectionally with LIS either through HL7 or CSV file formats						
	Detector	Photodiode						
Channels 1 2 3 4 5 6	Optical Channels	Channels	1	2	3	4	5	6
		Ex/Em (nm)	390/475	464/517	525/556	557/588	594/624	630/690

 $<sup>\</sup>ensuremath{^{\star}}\xspace Some$  assays may require preparation prior to loading the cassette.

#### **Ordering Information**

**Product Name** ARIES® Two Module System (IVD)

Part Number ARIES-M12V1-IVD

ARIES® System Core Components Included

Instrument

Two Magazines

Two Sample Prep Trays

Handheld Barcode Scanner and Stand

System Operation Manual IVD

Quick Guide IVD

Power Cord

**Optional Components** 

Printer for ARIES® Instrument, Dell C1760nw

For all others, contact your country office for information.



#### orders@luminexcorp.com or support@luminexcorp.com

For In Vitro Diagnostic Use. Products are region specific and may not be approved in some countries/regions. Please contact Luminex at support@luminexcorp.com to obtain the appropriate product information for your country of residence. The ARIES\* Systems are class 1(I) laser products.

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