



Arrow

An automated, flexible and compact instrument for high quality DNA/RNA extraction and cell separation



Technical specifications	
Number of samples per run	1-12
Time to results	35 minutes* Arrow Blood DNA 200
Dispense precision	% CV at 50 µL = 2.6
Dimensions	
Height (door closed)	47 cm
Width	45 cm
Depth	45 cm
Height (door opened)	84 cm
Weight	22 kg
CE/IVD compliant	The instrument is CE marked according to the In Vitro Diagnostic Medical Device Directive 98/79/EC
Power	
Input Voltage	24V DC with ESD earth*. <i>*Only use the transformer supplied with the instrument or one that has been recommended by DiaSorin or your DiaDorin distributor.</i>
UL approved	 LABORATORY IN VITRO DIAGNOSTIC ELECTRICAL EQUIPMENT  UL file no : E327963
Interfaces	
	USB 1.1
	Ethernet 100 Mbit/sec
	Barcode reader
Touch screen	
Display	3.5 inches colour TFT touch screen
Heating block	
Type	Temperatures up to 100° C
UV source	
Location	Back of pipetting arm
Type	UV-C radiation at 254 nm
Operating system	LINUX powered

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Product Code 8.31.01 - Product availability subject to required regulatory approval - Currently not available in the USA and Canada

FOR USE OUTSIDE OF THE USA AND CANADA ONLY

Automated magnetic bead based nucleic acid extraction from a variety of specimen sample types

A flexible and robust bench-top instrument Small in size - Big on performance

The DiaSorin **Arrow** is fully flexible, able to meet different laboratory requirements. The instrument, with a low to medium throughput capability of up to 12 samples, delivers high quality nucleic acid extractions, or cell separations from a range of sample types.

The **Arrow** is easy to set up and simple to use, with it's ready to use reagent cartridges which demands minimal technician preparation time, and delivers results in 35 minutes*.

The unique single use pump-tip device, together with DiaSorin chemistry avoids the potential of fluidic system issues more commonly associated with other laboratory instruments, and has the added benefit of in-built sample volume flexibility, to meet specific local requirements.

The pump-tip device, together with the integrated moving UV-decontamination mechanism which sweeps the entire work area, ensures that the instrument is maintained in an optimal and contamination free condition.

The **Arrow** instrument provides the Laboratory with:

✓ **EXCELLENT AND CONSISTENT HIGH QUALITY NUCLEIC ACID EXTRACTIONS**

✓ **HIGHLY PURIFIED CELL SEPARATIONS**

Minimal hands on time - results in 35 minutes*

Samples by type for RNA and DNA isolation

Stool, Blood, Urine, Serum, Plasma, Swabs, Tissue*, Cells*, FFPE*, Sputum*, Culture*, Saliva*

*For research use only

Arrow kits available

Catalogue Number	Description	Reactions per kit
12.01.02	Arrow BUGS'n BEADS™ (CE, IVD)	96
12.06.02	Arrow Stool DNA (CE, IVD)	96
12.07.02	Arrow Blood DNA 200 (CE, IVD)	96
12.17.02	Arrow Blood DNA 500 (CE, IVD)	96
12.08.02	Arrow Viral NA Extraction (CE, IVD)	96
6.13.02	Arrow CellSep	96
6.12.02	Arrow CellSep Advanced	96
6.09.02	Arrow DNA Extraction	96
6.10.02	Arrow RNA Extraction	96

The **Arrow** delivers:

- ✓ **COMPACT BENCH-TOP INSTRUMENT**
No need for specialist benching or laboratory alterations
- ✓ **FLEXIBILITY**
1-12 samples per run
Variable sample input volume
Primary tube sampling
- ✓ **SPEED**
Pre-loaded assay protocols
Easy to use, minimal hands on time
Ready to use reagent cartridges
Up to 12 results in 35 minutes*
- ✓ **RELIABILITY**
Consistent and high quality nucleic acid extraction
Highly purified cell separations
Excellent reproducibility, optimal and standardized results
Robust instrument with minimal moving parts, reduced maintenance and service requirements
- ✓ **REDUCED CONTAMINATION RISK**
Single use pump-tip device
Unique moving UV light de-contamination operation



Instrument Setup

- 1 Load pump-tip devices
- 2 Load reagent cartridges
- 3 Load samples cartridges
- 4 Start run
- 5 DNA/RNA recovery in 35 minutes*
- 6 Optional UV-decontamination