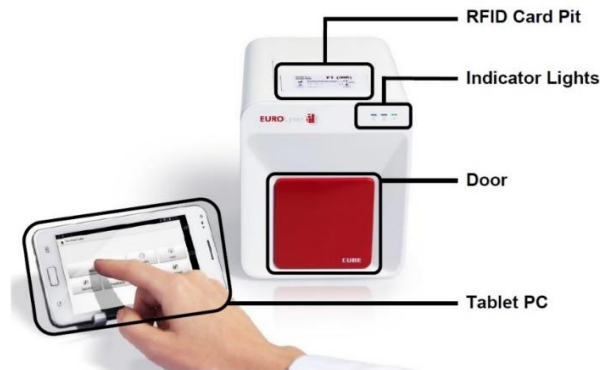


EUROLYSER CUBE

The CUBE Instrument is a highly compact, point-of-care device that measures a broad range of single tests. It is easy to use and provides quick, reliable and accurate results.

Components



Operating Principle

The Eurolyser CUBE is an open measuring system, meaning that it can use various reagents from multiple manufacturers. It can process endpoint tests, kinetic tests and coagulation tests and due to use of the latest LED technology, it is maintenance-free. To perform a test the CUBE Instrument is loaded with an ERS cartridge filled with reagents from the respective reagent manufacturers.

The device is equipped with an RFID card-reader module, as RFID cards are necessary for performing any testing procedures. They are included with the test kits from each manufacturer and contain all the specific information required for the various tests including lot data and calibration data. The CUBE performs the test automatically according to this data on the RFID card.

The sample and reagent are automatically mixed within the instrument and the photometer unit performs the analysis with a light diode. The absorption of light rays is measured during this process and the measured value is then converted into the test result using mathematical methods. The result will be displayed on the Tablet PC.

Test Procedure



Position the RFID Card on to the RFID Card Pit



Collect the sample from the patient



Insert the test cartridge into the instrument



Close the door. The analyser will perform the test automatically.

Storage and Stability of device and consumables

Analyser and Consumables		Operating Temperature (°C)	Storage Temperature (°C) and Shelf Life	Time to bring to Operating Temperature
Analyser		20-28°C	0-50°C	Ready to use at Room Temperature (20-28°C)
Test Kit/Control Solution	Ferritin Test Kit	Room Temperature (20-25°C)	Unopened: 2-8°C until expiry. Opened: 2-8°C for 3 months	Minimum of 15 mins to warm to room temperature (20-25°C)
	Ferritin Control Solution		Unopened: 2-8°C. Opened: 2-8°C for 8 weeks	
	HbA1C Test Kit	Room Temperature (20-25°C)	Unopened: 2-8°C until expiry. Opened: 2-8°C for 3 months	Minimum of 10 mins to warm to room temperature (20-25°C)
	HbA1C Control Solution		Unopened: 2-8°C. Opened: 2-8°C for 9 months	
	CRP Test Kit	Room Temperature (20-25°C)	Storage at 2-8°C Unopened: Until expiry Opened: 3 months Storage at 18-25°C Unrefrigerated - 1 month, refrigerated at least 16hrs/day - 2 months	Minimum of 10 mins to warm to room temperature (20-25°C)
	CRP Control Solution		Unopened or Opened: 2-8°C until expiry	
	Haemoglobin Test Kit	Room Temperature (20-25°C)	Unopened or Opened: 2-40°C until expiry	Minimum of 10 mins to warm to room temperature (20-25°C)
	Haemoglobin Control Solution		Unopened or Opened: 2-8°C until expiry	
	Cystatin C Test Kit	Room Temperature (20-25°C)	Unopened or Opened: 2-8°C until expiry	Minimum of 10 mins to warm to room temperature (20-25°C)

	Cystatin C <i>Control Solution</i>		Unopened or Opened: 2-8°C until expiry	
	PT(INR) Test Kit	Room Temperature (20-25°C)	Unopened: Storage at 2-8°C until expiry. Storage at 20-25°C - 14 days. R1 Reconstituted (100ul prefilled in cuvette): Storage at 2-8°C - 45 days. Storage at 20-25°C - 2 days.	Minimum of 30 mins to warm to room temperature (20-25°C)
	PT(INR) Control Solution		Unopened: Storage at 2-8°C until expiry. After reconstitution: Storage at room temperature 4 hours, Storage at 2-8°C - 8 hours. Storage at -20°C - 8 weeks. Vials can only be frozen once.	
	D-Dimer Test Kit	Room Temperature (20-25°C)	Unopened: 2-8°C until expiry. Opened: 2-8°C for 3 months	Minimum of 10 mins to warm to room temperature (20-25°C)
	D-Dimer Control Solution		Unopened: 2-8°C until expiry. Once reconstituted: 2-8°C for 14 days	