

Assays for Wellness

CR3000



CR3000 analysers: *a revolution in point of care testing*

The CR3000 series are a range of instruments for screening and monitoring of primary care assays, especially created for the point of care setting, offering health care workers the latest technology on the market.

The instruments support point of care operators in offering new services to patients, providing improved patient care.

User-friendly

- Automatic test procedure. Simply place the cuvette into the reading cell.
- The operator is completely guided by displayed operator prompts.
- CR3000 is operated by a touch screen making testing more user friendly compared to conventional keyboard operation.
- Testing is performed on small capillary blood samples.

The most common primary tests are performed using capillary blood samples.

The possibility of performing three tests simultaneously drastically reduces testing time whilst the reading cells heated at 37° C assure perfect testing conditions.

Once initiated, testing proceeds automatically and the user is guided by simple messages on the touch screen.



Rapid

CR3000 instruments have been developed bearing in mind time is of essence for point of care users. Three reading cell analysers are available and results are supplied in a matter of minutes making CR3000 one of the most convenient Point of Care testing systems on the market.

- Rapid bar code reading system: the reader automatically recognises the test placed into the reading cell.
- Three assays are tested at the same time, dramatically reducing turn around time.
- One touch easy view of the procedure for each assay displayed on the screen.

Instrument reliability

Instruments are built around solid state technology.

A self diagnostic program runs at the start-up of instruments and informs users of any defects found.

Accuracy and Precision

Wet chemistry application assures accuracy and precision comparable to laboratory reference methods.

The reading cells are thermostated at 37° C which assures perfect testing conditions for temperature sensitive tests.

Safety Aspects

Capillary blood samples are collected in capillary tubes, placed into cuvettes containing reagents and airtight caps. This procedure assures a cleaner, safer procedure when compared to conventional testing. At no time does the instrument come in contact with blood samples.

Flexible

Various models are available, according to the assays performed (from 8 to 12) and number of reading cells required (1 or 3).

Lifestat: software for recording patient data and patient management



Lifestat provides operators effective support for patient care and management and is extremely versatile.

- Results are downloaded to a PC.
- Recording patient data and creation of customer files.
- Recording medication and treatment history.

Display and easy consultation of all results for each patient's history.

Assay type	Result	U.L.I.
Cholesterol	202 mg/dL	
Triglycerides	915 mg/dL	
Glucose	0 mg/dL	
Dihydroxyacetone	0 mg/dL	
Hemoglobin	< 25 %	
Hemoglobin	0 mg/dL	
HDL Cholesterol	0 mg/dL	
Glucose	0 mg/dL	
Lactic Acid	1.9 mg/dL	
FBG	1.88 mmol/L	
FBG	431 Fom U	
Uric Acid	0 mg/dL	
Uric	0 mg/dL	

The Lifestat questionnaire aids operators in understanding the risk factors associated with lifestyles and eating habits of patients according to the profiles carried out by the CR3000.

GENERAL CONDITIONS

- Do you smoke?
- Are you overweight?
- Do you suffer from high blood pressure?
- Do you often feel tired?
- Do you feel under stress?
- Do you suffer from any known allergy?
- Do you often have cold hands or feet?
- Are you often thirsty?
- Do you suffer from psoriasis?
- Do you exercise regularly?

DIET

- Are you vegetarian?
- Do you consume less than 5 servings of fruit a week?
- Do you consume more than 20 g of alcohol (approx. 2 drinks) per day?
- Do you often eat fast, in particular animal fats?
- Do you consume meat more than 4-5 times per week?

PHARMACOLOGICAL TREATMENT

- Iron and/or vitamin B12 and folic acid supplements
- Statins
- Oral hypoglycemic treatment
- Mineral and vitamin supplements and/or other substitutes
- Hormone treatment

CLINICAL HISTORY OF DISEASES

- Anemia, hemolytic disorders, thalassemia
- Hypertension and/or
- Cardiovascular events (heart attack, stroke)
- Diabetes

Cardiovascular Risk Assessment

Cardiovascular risk

For further information click on the "Info" icon

Name: Susan
Surname: Brown
Gender: Men Women
Age: 65
Systolic Pressure: 133 mmHg
Total cholesterol: 202 mg/dL
HDL cholesterol: 55 mg/dL
Anthropometrics: Yes No
Smoker: No Yes
Diabetic: Yes No
Hypertensive: Yes No
Cardiovascular Risk: 4 %
[Calculate]

Statistical analysis of results provides operators clear feedback on the patient's clinical history.

