

COMMITTED TO HEALTHCARE AND WELLNESS



SCREENING CONCEPTS WHICH MAKE A DIFFERENCE

Company Profile

Callegari S.r.l. (now owned by the Catellani Group Companies) was founded in 1930. The Company changed management in the nineties marking a considerable change to the structure and mission of the Company as well as re-inventing near patient testing. The focus was now on the research, development and production of exclusive and innovative professional diagnostics instruments and chemistries for the medical, pharmaceutical, beauty and wellness fields including the public, specifically meeting client requirements.

In the next five years to come, Callegari S.r.l. becomes the leading healthcare provider for Point of Care devices in Europe with core business in the pharmacy and healthcare clinics. The launch of revolutionary products such as the FORT and FORD free oxygen radicals tests firmly places Callegari S.r.l. as an unique provider of diagnostic screening services with leading University and research sites employing the two tests.

Today Callegari (Catellani Group) supplies major pharmacy chains, medical and health professionals, University sites and the skincare industry throughout the world, providing operators excellency in product, marketing and customer care, based on over 80 years of experience. Callegari S.r.l. works and innovates with clients so that solutions required are developed, as they are required and when they are required. It is now the reference for the manufacture of devices and reagents for oxidative stress and antioxidant capacity, general chemistry screening (including lipids and haematology) for Near Patient Testing and Self Testing as well as skin health assessment for skin experts at a global level. Callegari S.r.l. is a trusted, reliable and effective partner for professionals in over 45 Countries.

Central to this is Customer Care, an essential component as providers of services. A successful relationship with clients does not end but begins with the installation of the first device. Full support is offered by staff, from training on how to make services work, marketing, troubleshooting, QC and health and safety.

In addition, Callegari performs customisation services and manufactures OEM products including readers for general chemistry, skin and body health assessment, peripheral blood circulation screening for legs and wet chemistries.

Callegari S.r.l. - Catellani Group is located in Parma, Northern Italy and has a branch office in Belgium. The Catellani Group companies also include a LED manufacturer for lighting and a Company specializing in the restoration of unique vintage War Birds for which it has won many International Awards and Recognitions.



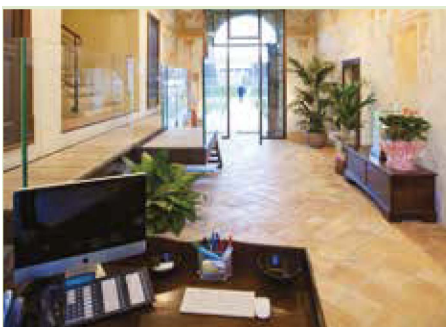
HeadOffice



Central Technology and Logistics Building



Catellani Group LED Manufacturer Building





CR3000 Analysers

The CR3000 concept: innovation, improved patient care and management

The CR3000 is a unique point of care concept. It provides near patient testing healthcare professionals a unique panel of profiles (assays) including **diabetes, cardiovascular disease, hematology, oxidative stress and antioxidant defense, women's health and a sports profile**. A product thought to cover all your primary screening needs and more.

Provide your patients with laboratory based technology and accuracy of results (wet chemistry), store their data on the innovative Lifestat software system which provides you with all the back-up support you require to manage your patients at a click of a button. Track their progress over time, via graphs, or simply print a hand-out which explains in more detail what assays mean and why it is important to health to monitor such states.

The CR3000 concept has been devised to help professionals personalise diagnostic testing services and improve **perceived patient care, reduce TATS and lead times for patients to receive the right healthcare advice**.

It is completely stand alone, with an inbuilt printer.

Features of CR3000:

- Wet chemistry application assures accuracy and precision comparable to laboratory equipment
- Three assays are tested (according to model) at the same time dramatically reducing TATs, thanks to the presence of three reading cells in the instrument
- Testing is performed on tiny capillary blood samples (on average 10 µl)
- Blood samples are collected in capillaries, placed into cuvettes containing reagents with airtight caps. This assures a cleaner and safer procedure with respects to standard near patient testing procedures
- Results are supplied in seconds to minutes
- Instruments and reagents are CE marked according to the 98/79/EC Directive

The Technology:

- Various models are available, according to the assays performed (from 8 up to 16) and number of reading cells required (1 or 3)
- A rapid bar code reading system automatically recognises the test placed into the reading cell
- One touch easy view of the procedure for each assay displayed on the screen
- Touch screen technology assures user-friendly operation



Customer Care:

- Customer Care is an essential aspect of the success of Callegari instruments
- Customer Care is guaranteed directly via branches or through authorized local service centers worldwide
- Service contracts and extended warranties are available
- Operators receive full training on use
- Refresh courses available

Users of the CR3000:

- Pharmacies: independants and chains
- Specialists in a variety of fields from cardiovascular disease to diabetes
- Clinics
- Natural Medicine
- Doctors Offices
- Occupational Health
- Sports field, including sports clubs, Institutes and Research
- Trials and Marketing of Antioxidants
- Anti-Ageing healthcare
- Hospitals
- Universities



Focus on Oxidative Stress and Anti-Oxidant Capacity Panel

“Screening of OS is essential to delay the development of disease and to improve the quality of life of subjects. In light of this, OS can be defined as a new risk factor for the populations’ health, such as is high BP, high lipid levels and glucose, obesity and smoking and should be addressed in the same manner.”

Dr. Lorenza, Biochemist, Northern Italy.

The oxidative stress panel of the CR3000: making a difference to healthcare and prevention.

The CR3000 instrument offers a feature **unique to point of care systems** by measuring oxidative stress. Have you ever thought as to why we are encouraged to eat more fruit and vegetables, exercise more and live a healthier lifestyle? Yes, it is good for you but why exactly? The reason is that a well balanced diet with plenty of fruit and vegetables, the right exercise plan and reduction of stress, as well as other lifestyle adjustments, will lower your oxidative stress and increase your antioxidant capacity (defense system). Oxidative stress is not a disease but a negative condition that can lead to or accelerate diseases and disorders, ageing and inflammation.

Powerful and accumulating scientific literature demonstrates that a proper balance between oxidants and antioxidants is involved in maintaining health, wellness and longevity and an alteration can result in disorders and disease including: **inflammation, cardiovascular disease, cancer, respiratory disease, diabetes, ageing and many more.**

Consequently, oxidative stress is a vital warning signal and essential for preventive medicine and health care as well as the control of relevant therapies during disease management. It is a valuable prognostic tool for all healthcare operators.

The oxidative stress panel (FORT and FORD tests) provides users with a powerful and early indication of free radicals attack and the total antioxidants defense on capillary blood samples.

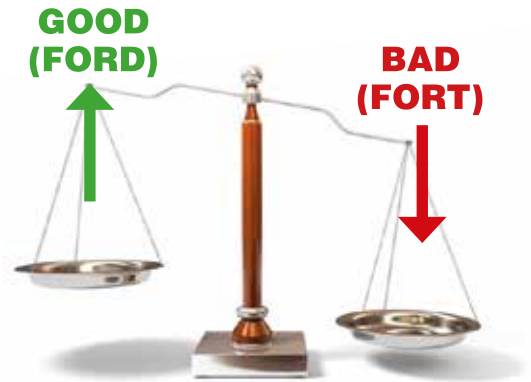
It is commonly employed as marker of inflammation.

“The FORT is a simple tool to assess circulating ROS in routine clinical practice. Oxidative conditions such as inflammation and diabetes are the major determinants of FORT values...”

Laboratory of Experimental Cardiovascular Pathophysiology and Pharmacology, University of Burgundy, Dijon, France, Prof. Zeller M.

Today thousands of point-of-care operators around the globe (including major research and university sites) employ the CR3000, with the FORT and FORD test, in the daily practice.

The assays have been validated and are supported by over 300 prestigious Pub Med papers.



Users of the Oxidative Stress Panel

- Specialists (from cardiovascular disease, anti-ageing, degenerative disease, to diabetes)
- Practitioners
- Sports Doctors and Sports Science
- Nutritionists
- Hospitals
- Clinics
- Pharmacies
- Universities
- Research
- Dentists

Good



Bad





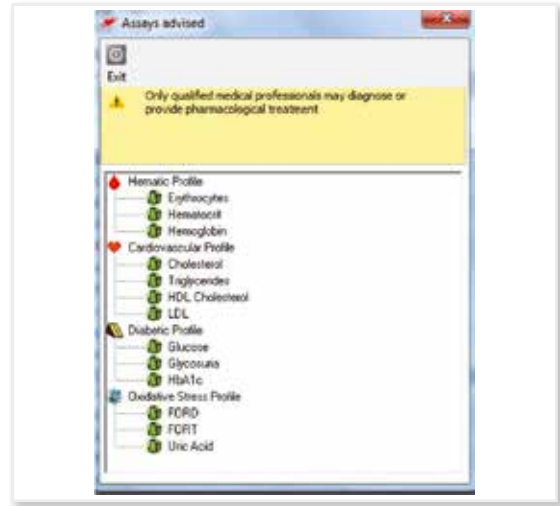
Lifestat: software for record of data and patient management

LifeStat provides operators effective support for patient care and disease management often missing from point of care instruments.

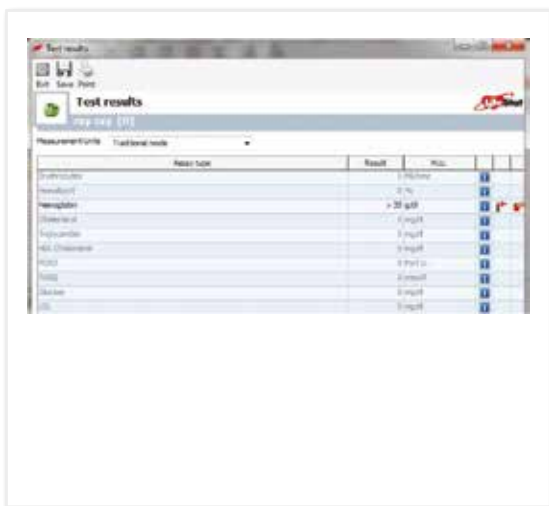
- Results are downloaded to the PC
- Record of patient data and creation of Customers files with record of medication and treatment through time
- Information sheets available on each parameter to hand out to clients
- Questionnaire available for operators to perform on patients to help pin-point risk factors, especially useful for identifying oxidative stress risk factors



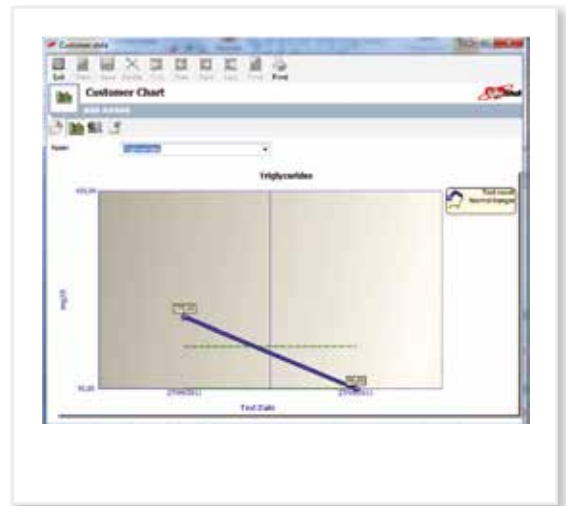
The Lifestat questionnaire aids operators in understanding the risk factors associated with lifestyles and eating habits of patients according to the profiles carried out by CR3000



Based on answers to questionnaire, assay profiles are suggested



Download of results to patient file



Statistical analysis of results provides operators clear feedback on the patient's clinical status through time



TECHNICAL FEATURES – CR3000 IVD SYSTEM
in accordance with the Directive 98/79/EC

Principle	Absorbance (Lambert Beer's Law)
Cell dimensions	Approx 13X13 mm
Cell temperature	37 ± 0.2°C
Light source	LED
Wavelengths	505 nm, 610 nm according to model
Optical path	1 cm
Display	128x128 dots touch screen operation
Printer	Graphic printer
Weight	Approx. 1.1 kg
Dimensions	273 (L) x 255 (W) x 74 (H) mm
Power Supply	12V DC - 3,5 A
Power Consumption	45 W max.
Working conditions	15 ÷ 30°C (Rh 90%)
Storage conditions	8 ÷ 38°C (Rh 95%)
Certification	CE 0123 Mark

CR3000 MODELS AVAILABLE				
	FORMplus 3000	CR-TR	CR-RC	CR-RCH
Total cholesterol		■	■	■
HDL cholesterol		■	■	■
LDL cholesterol		■	■	■
Glucose		■	■	■
Triglycerides		■	■	■
Hemoglobin	■	■	■	■
Erythrocytes		■	■	■
Hematocrit	■	■	■	■
Lactic acid			■	■
Glycosuria			■	■
FORT (free oxygen radical test)	■	■	■	■
FORD (free oxygen radical defence)	■	■	■	■
Uric acid	■		■	■
HbA1c				■
AST				
ALT				
Cardiac risk assessment			OPTIONAL	
Reading cells	1	1	3	3