



VITAMIN D TEST KIT

RAPID™ & RAPIREAD™



BROCHURE



BIOTECH DENTAL





## BIOTECH DENTAL GROUP, 2.0 DENTAL OFFICE PARTNER.

Since its creation in 1987, Biotech Dental is committed to develop a strong relationship of trust with dentists and dental technicians.

Together, we design and develop ever more tailored product lines to the challenges of the future. Our position is located at the crossroads of their expectations, innovation and technology.

Allow practitioners to offer the best products at the best prices for their patients: that is the first objective of Biotech Dental.

With more than a million dental implants sold, we have helped to improve the lives of thousands of patients worldwide through all dentists who have trusted us. With our expertise and our know-how, we have chosen to be pioneers of this development through innovative technologies.

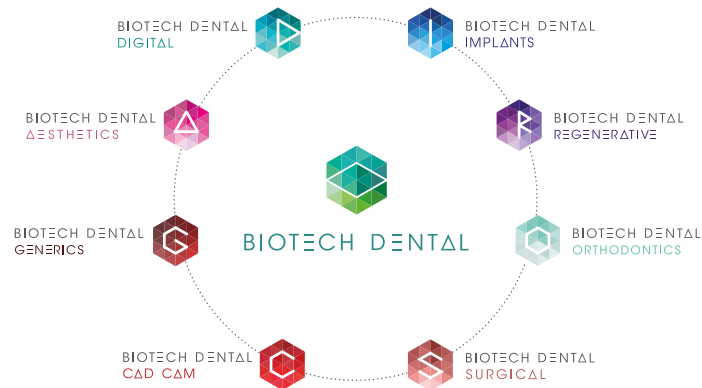
In recent years, we have integrated new skills, invested over 10 % of our turnover in research and development to be able to develop and propose solutions on the cutting edge innovation.

Today we are a key partner for practitioners of dentistry. We offer our customers a wide range of products and services around dental care, to enable them to meet the different needs of their patients.

Innovation and Technology for practitioners to make affordable excellence to patients: this is Ethical currency of Biotech Dental.

As many products and services serving the dental office 2.0.

Philippe VÉRAN  
CEO





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**▶ OPERATING BUTTON**



**▶ BATTERY COMPARTMENT**

**▶ CASSETTE ADAPTOR**



# OPTIMIZE YOUR SURGICAL RESULTS BY TESTING YOUR PATIENTS VITAMIN D LEVEL



 **DISPLAY**

 **USB DATA CABLE CONNECTION**



## TEST READER

Affimedix is offering a lateral flow immunoassay reader system: RapiRead™.

This uniquely designed CUBE-shaped device is a powerful and optimal tool serving as electronic eye that can help to obtain fast and exact readings for Vitamin D Tests. RapiRead™ provides rapid, reliable and affordable solution for your medical practice.





# BENEFITS

EXCLUSIVE FROM BIOTECH DENTAL TO DENTAL CLINICS

## FOR THE PRACTITIONER

### TIME SAVING

First reading without blood test performed in a lab.

### OPTIMIZED SURGERY

Effectiveness of surgical treatment.

### SIMPLE AND FAST

Automatic test result in 15 minutes.

### EQUIPMENT

All the material needed for the test is available in the dental clinic.



## FOR THE PATIENT

### PREVENTION

Reduce the risk of surgery failure.

### COMPLETE SERVICE

The practitioner offers a global service.

### ONE PLACE

Everything happens at the dental clinic.

### REDUCED NUMBER OF APPOINTMENTS

Fewer visits to the practitioner.

CLINICAL ARTICLES AND SCIENTIFIC STUDIES AVAILABLE.



# FUNCTIONING PRINCIPLE

RapiRead™ CUBE Reader is based on «Reflective Optical Density Measurement» Principle.

This instrument, taking up to 25 images through LED camera, records the reflectance of the test strip surface and uses a scoring algorithm to quantify the test (T) line reflectance / Color intensity, which will then be converted into the concentration of the test analyte in the sample.

The results are displayed a few minutes later.

The reader can read different assays by using Radio-Frequency Identification (RFID) Cards, which uploads wirelessly onto the Reader the calibration file specific to the test to be conducted.

Once the calibration file uploaded from the RFID card, the CUBE Reader can be operated in a standalone mode independent of a computer or external power source.





# PACKAGE COMPOSITION



## TENDERLETT®:

Lancet designed for capillary blood sampling (100 pcs box - Ref. TL100).



## RAPI-D™: 25 tests

- Quantitative dosage of Vit. D (25-OH VitaminD) by immunochromatographic «Sandwich» method.
- Ref.1155SQ-25: 25 cassettes, 1 dilution bottle, 25 small bottles, 25 caps with integrated capillaries + RFID card.



## RAPIREAD®: CUBE READER

- Display of test results after 15 minutes (1 cube - Ref. R R-101).

## RAPIREAD™ SPECIFICATIONS™

Usage	Reader for lateral flow Immunoassays
Test format	Casette test
Measurement	Quantitative or semi-quantitative analysis
Dimensions	41 mm (L) x 41 mm (W) x 41 mm (H)
Weight	40 g
Display	LCD ; 14 segment display
Operation	One button operation
Storage capacity	100 Test results

Measuring time	Approx. 3 seconds
Power supply	3 batteries CR2032 (3 V/230 mAh) or CUBE-specific USB data cable (Optional as accessory) also usable for data transfer to PC/laptop.
Interface	4 poles - 0.1 in. (2.5 mm) jack plug for power supply (instead of battery) and data transfer to PC/laptop.
Configuration	Lot-specific configuration program via RFID technology.
Lighting	Wavelength 525 nm
Ambient temperature (During operation)	10°C - 35°C
Ambient humidity (During operation)	20 % - 85 %
Storage temperature	-30°C - 85°C
Storage Humidity	20 % - 85 %
Timer function	Determined along with calibration data.
Calibration	No calibration required for one year. After one year, use Special QC Test to check the Reader.



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RapiRead™ is a mobile measuring device for qualitative and quantitative evaluation of in vitro diagnostic device tests. Rapi-D™ is an in vitro diagnostic medical device for testing vitamin D and is compatible with the RapiRead™ reader. This test offers a preliminary analytical test result. It is recommended to carry out additional quantitative tests to confirm the analytical result. Must be used by qualified and trained health professionals. Read the instructions carefully. These in vitro diagnostic medical devices are regulated health products CE marking.  
Manufacturer Tenderlett®: Accriva Diagnostics Inc. - EU authorized representative: MDSS GmbH Safety, sterile, disposable lancet for capillary blood sampling, Class IIa medical device, CE0086.  
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