BIONOVA® cloud

Trazanto lens

Surface Eye

Bionova® Wireless Assistant

Digital Ecosystem to Preserve Patient Safety.

When the value of time, accuracy and digital power work together to protect patient safety, innovation knows no boundaries. We are shaping the future of infection prevention workflows. Join us.

Hospital Acquired Infections (HAIs) are infections that patients acquire while receiving health treatment and are considered as a major cause of mortality, emotional stress and enhanced morbidity in hospitalized patients. They continue to escalate at an alarming rate and have become a major safety concern for both healthcare providers and patients. For this reason, effective infection prevention and control programs (IPCP) are crucial and became an integral part of safe, effective, high quality health service delivery.

Even though underestimated, the SPD is the core department in every Healthcare facility. In there, every reprocesable medical device and instrument undergoes a very intricated, time consuming, professional and crucial work, in order to deliver every healthcare professional with sterile, ready-to-use tools.

Time and data are critical for making decisions that save lives. To make it happen, we developed a comprehensive range of immediate and automatic readout indicators integrated to a digital ecosystem, driving to a new and more efficient workflow. This is our vision: focus, knowledge and technology.

Wanna know more?

Is there any way in which isolated and individual solutions for different stages of a reprocessing cycle can be converted into a unique and integral solution?

The answer is **yes** and it is through a cohesive software that converges the information generated by all our technological products.

WASHING

HYGIENE

PACKING

STERILIZATION

STORAGE

REUSE

BIONOVA® cloud

The digital solution you need, every step of the way

BIONOVA®
cloud

Achieve automatic quality control for your CSSD/SPD.

This comprehensive and automated quality control software enables disruptive monitoring of washing, hygiene, disinfection, and sterilization processes all at once. Accelerating the workflow leads to better results with less effort.

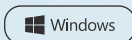**Automatic data intake**

Real-time process KPIs

Information everywhere & anytime

Instant digital reports

Available on   Windows

Trazanto
lens

Artificial intelligence for infection prevention

Experience the evolution of Trazanto with our state-of-the-art app that allows the reading, interpretation and digitalization of results to increase the workflow efficiency and avoid errors associated with human subjectivity and other variables.

A quick scan of washing and chemical indicators ensures efficiency and safety, revolutionizing the way sterile surgical instruments are cleared right before every procedure. **Time is life. Move faster!**

Available on

App Store | Google Play

PORTABILITY
Improve your workflow with just a mobile phone in CSSD, surgery areas or labs.

COMPLIANCE
Facilitate audits with easy and quick access to your digital records on Bionova® Cloud.

FAST & SIMPLE
Fast, intuitive, easy to use, and paperless.

CROSS-INDUSTRY
Useful and applicable for healthcare, dental and other life sciences areas.

THREE SIMPLE STEPS

1
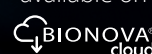Go to **New scan** and take a picture of the washing or chemical indicator

2
Automatically **AI reads and interprets** the washing or chemical indicator

3
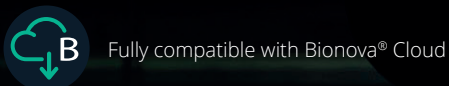**Done!** The report is available on

BIONOVA® cloud

Surface Eye

Technology, speed, and precision at your fingertips!

Automatic digital detection of your swabbing surfaces and seamless integration with protein quantification data from Bionova® Auto-readers.

Designed to comply with required ISO 15883-5:2021 thresholds on μg/cm² units.

B Fully compatible with Bionova® Cloud

Take a picture of the surface you want to swab. We do the rest.

Automatic detection and standardization of your test surfaces for washing and cleaning processes.

The app complements the use of MiniPro, IC10/20FR and IC10/20FRLCD auto-readers, and PRO1 Micro swabs.

Available on

App Store   Google Play

John Walker
Alpha Cia

Select the area to be swabbed

Repeat

Home   Edit   Add

Bionova®
Wireless
Assistant

Available on

 App Store

Google Play

Urgent procedures, require immediate decisions

Monitor the results of your Photon (Steam 7-second) & Hyper (VH2O2 5-min) auto-readers with one click and convert the information into correct decision making.

Digitalize these results with Bionova® Cloud

PHOTON®

INSTANT

A **MILESTONE** IN **BIOLOGICAL** MONITORING

The first **7-second Biological Monitoring** System

Fully compatible with Bionova® Wireless Assistant

Fully compatible with Bionova® Cloud

Self-Contained Biological Indicators (SCBI) for Steam sterilization processes

STEAM BT225

Identification label with process indicator
- Not exposed
- Exposed

Spore carrier with *Geobacillus stearothermophilus*

● PASS   ● FAIL

Configuration alarm cancellation button

Temperature progress & stability indicator

Fully compatible with Bionova® Cloud.

Two incubation positions

Easy & immediate

PC or mobile connectivity via USB, Bluetooth or Wi-Fi

Faster. Smarter. Safer.

Hyper System

The fastest VH2O2 Sterilization Process Monitoring System. Ultimate productivity with the finest biological indicator.

BIONOVA® Hyper

5′

Terragene®

Model HYPER | Lot 9999 | Serial 666
Mode Brth | Temperature 60.0°C | Status Stable

Position 1 | 0%
Status: Ready to go (00:00:00)

Position 2 | 0%
Status: Ready to go (00:00:00)

Latest data update Fri, Jan 12 2024 - 15:46:54

Compact and easy to handle design.

Fully compatible with Bionova® Cloud.

Temperature control: using LED light, via App or Traceability Software and/or position for external thermometer.

Virtual ticket generation with Bionova® Wireless Assistant App

Two simultaneously reading positions.

PC or mobile connectivity via USB, Bluetooth or Wi-Fi.

Fluorescence reading: radial configuration of light source and detectors that optimize the excitation of the fluorochrome and its subsequent detection.

Results indicated by colored LEDs and alarm sounds.

Biological Indicators for Plasma or Vaporized Hydrogen Peroxide sterilization processes

VH2O2 | BT98

Identification label with process indicator
- 🟪 Not exposed
- 🟩 Exposed

Spore carrier with *Geobacillus stearothermophilus*
- 🔵 PASS
- 🟡 FAIL

BIONOVA
BT98
VH2O2
G. stearothermophilus
LotA10

EXPLORE OUR **EXTENSIVE PRODUCT PORTFOLIO, FEATURING COMPATIBLE OPTIONS PERFECTLY ALIGNED WITH OUR DIGITAL ECOSYSTEM**, OFFERING SEAMLESS INTEGRATION AND UNPARALLELED PERFORMANCE.

Washing, Disinfection & Hygiene

CDWA4
Indicators for Cleaning Efficiency Monitoring
Units: 200

IT27W-1 | IT27W-5 | IT27W-10
Indicators for Thermodisinfection Monitoring
Units: 200

CDWU
Indicators for Ultrasonic Cavitation performance
Units: 30

CDWU-H
Holder for Ultrasonic Cavitation indicator

Compatible holders

CDWAH
For Thermodisinfection washing

CDWAH-U
For Ultrasonic washing

ATP-S1
Surface ATP Test based Hygiene Monitoring System
Units: 100

Hygiene Monitoring Protein Pen Systems
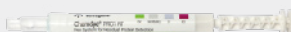
PRO1 MICRO
for Surface Protein Detection
Units: 20|100

PRO1 VT
for efficacy validation of PRO1 MICRO
Units: 10 (+) | 10 (-)

PRO1 RT
for Residual Protein Detection
Units: 20|100

4´ Ultra Rapid Readout

MINIPRO
Auto-reader for Chemdye® PRO1 MICRO Hygiene Monitoring System

Fully compatible with Bionova® Cloud

Compact design

Time optimization

Automatic readout

Temperature calibration

Quantitative analysis

Built-in thermal printer

Sterilization | Biological Indicators

Rapid results, faster workflow

	Ultra Rapid	Super Rapids		Rapids	
	20´	30´	1h	2h	4h
	STEAM	VH2O2	STEAM	FORM	EO
	BT224	BT96	BT222	BT102	BT110

Fluorescence auto-readers for Rapid, Super Rapid & Ultra Rapid BIs

MINIBIO
3 positions
(Fluorescence BIs)

IC10/20FR
12+1 positions
(Fluorescence BIs
+Protein Pen)

IC10/20FRLCD
-Touchscreen
-12+1 positions
(Fluorescence BIs
+Protein Pen)

Fluorescence-based Process Challenge Devices (PCD)

Bionova® PCD pre-assembled disposable PCD test packs consists of a SCBI, a Type 5 Integrator Indicator and a self-adhesive Record Card, held within a stack of porous cards that poses resistance to steam penetration. The whole ensemble is contained within a cardboard box with a Type 1 Process Indicator that changes color when exposed to steam.

CODE	READOUT	SCBI	CI
KPCD110	4 hs at 37 °C	BT110 (EO)	-
KPCD222-2	1 hour at 60 °C	BT222 (STEAM)	PCDBI-2-RC
KPCD222-C	1 hour at 60 °C	BT222 (STEAM)	IT26-C
KPCD224-2	20 min. at 60 °C	BT224 (STEAM)	PCDBI-2-RC
KPCD224-C	20 min. at 60 °C	BT224 (STEAM)	IT26-C
KPCD225-2	7 sec. at 60 °C	BT225 (STEAM)	PCDBI-2-RC
KPCD225-C	7 sec. at 60 °C	BT225 (STEAM)	IT26-C

PCD224-C | STEAM

PCD110 | EO

KPCD BOX CONTENT:
25 PCD
+ 25 IB

 Sterilization | Chemical Indicators

Tapes | Type 1

Designed to wrap and seal sterilization packages and distinguish between items that have been exposed to sterilization processes from those that have not.

	UNEXPOSED	ACCEPTED EXPOSURE
CT10 EO		
CT40 VH2O2		
CT22 STEAM		
CT50 FORM		

Multivariable Indicators | Type 4

Simple and double Internal control strips that rapidly show if critical parameters of the sterilization process have been reached.

CD16	EO
CD29	STEAM
CD30	DRY
CD40	VH2O2
CD50	FORM

Simple strip x250u | x500u
Double strip x250u

Integrator Indicators | Type 5

Internal control strips that show if critical parameters of the sterilization process have been reached.

IT26-C
With & without extender. Moving front Integrator
Units: 250

IT12
EO Two level Integrator
Units: 250

IT26-1YS
Unique point Integrator
Units: 250|500

Emulator Indicators | Type 6

Monitor all the critical parameters and ensure an adequate control of the efficacy of the Steam sterilization processes (temperature, time, steam quality).

CODE	READOUT	UNITS
IT28	3.5 min. 134 °C | 15 min. 121 °C	250
IT27-4YS	4 min. 134 °C | 12 min. 121 °C	200
IT27-5YS	5 min. 134 °C | 15 min. 121 °C	200
IT27-7YS	7 min. 134 °C | 20 min. 121 °C	200
IT27-18YS	18 min. 134 °C	200

Labels | Type 1

Self-adhesive labels to differentiate between processed and unprocessed items. Their double-adhesive technology allows easy label removal from the sterilization package for data documentation.
Each roll contains 750 labels.

CG3
3-line labeler

CD13	EO
CD23	STEAM
CD33	DRY
CD43	VH2O2
CD53	FORM

Bowie-Dick Test Packs

For monitoring the performance of vacuum-assisted Steam sterilizers. Units: 20 per box.

BD125X/1
Developed for testing air removal efficiency. Simulates the 4 kg handmade American pack. It contains a Warning Sheet, thus allowing an early detection of air removal failures.

BD125X/2
Developed for detecting inadequate air removal and Steam penetration. Simulates the 7 kg handmade European pack.

Bowie-Dick Test Cards

Type 2 metal free chemical indicator, designed to monitor the effectiveness of air removal in vacuum-assisted steam sterilizers at 132 °C, 4 min and at 134 °C, 3.5 minutes.

BD8948X
BD8948X/1
Units: 120

BD8948H
Stainless steel re-usable Holder

Trazanto | Reader

Artificial intelligence helping you make better decisions.

Automatic system for quality control and traceability of cleaning, disinfection and sterilization processes. AI based software allows automatic interpretation and avoids human errors.

Fully compatible with Bionova® Cloud

Digitize all your results.
All your indicators together in the same platform: the best choice quality management inside the SPD/CSSD. No more physical databases.

Full traceability.
All the data is automatically linked and generated: indicator SKU, Indicator lot number, expiration date and final result.

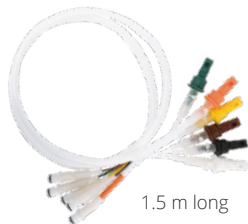## Endoscope reprocessing indicators

Process Challenge Devices for AERs

LUMENIA®

Double challenge!

Internal and external monitoring

Challenge Kit
Designed for monitoring the effectiveness of cleaning performance of Automatic Endoscope Reprocessors.

1.5 m long

SIXFLOW
3 PTFE tubes (1 mm)
2 PTFE tubes (2 mm)
1 PTFE tube (4 mm)

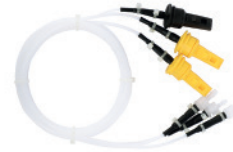**LUMENIA L1**
1 PTFE tube (1 mm)

LUMENIA L2
1 PTFE tube (2 mm)

LUMENIA L122
1 PTFE tube (1 mm)
2 PTFE tubes (2 mm)

2 m long

PRODUCT BOX CONTENT

INDICATOR STRIP

BLOCKAGE TEST CAPSULES

PLASTIC TWEEZER

KPRO2-E250
The system has a high absorption 2.5 meters long swab compatible with cleaning verification of endoscopes and other reusable instruments with hard-to-reach internal channels through semiquantitative protein determination.
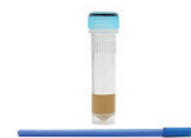
Content: 5 reactive solutions + 5 swabs + 2 moisturizer + 5 registration cards + 1 reference color card.

KPRO2-E69
For common external surfaces you can also choose a presentation with a regular swab lenght (6.9 cm).

Content: 18 reactive solutions + 18 swabs + 2 moisturizer + 18 registration cards + 1 reference color card.