



# THE NEW STANDARD IN BIOLOGICAL INTELLIGENCE

**You don't just sell speed.  
You deliver certainty.**

Photon® is not just  
another ultrarapid BI.  
It's the technology  
that transforms  
sterilization safety.



FDA  
De Novo  
granted





THE WORLD IS  
CHANGING —  
HEALTHCARE  
MUST TOO.  
STERILIZATION  
CAN'T STAY  
BEHIND.

CSSDs face rising patient demand, tighter budgets, and zero tolerance for error. Every process must be:

- ✓ FASTER
- ✓ MORE TRACEABLE
- ✓ SCIENTIFICALLY VALIDATED

Traditional indicators? Too slow, limited, disconnected.

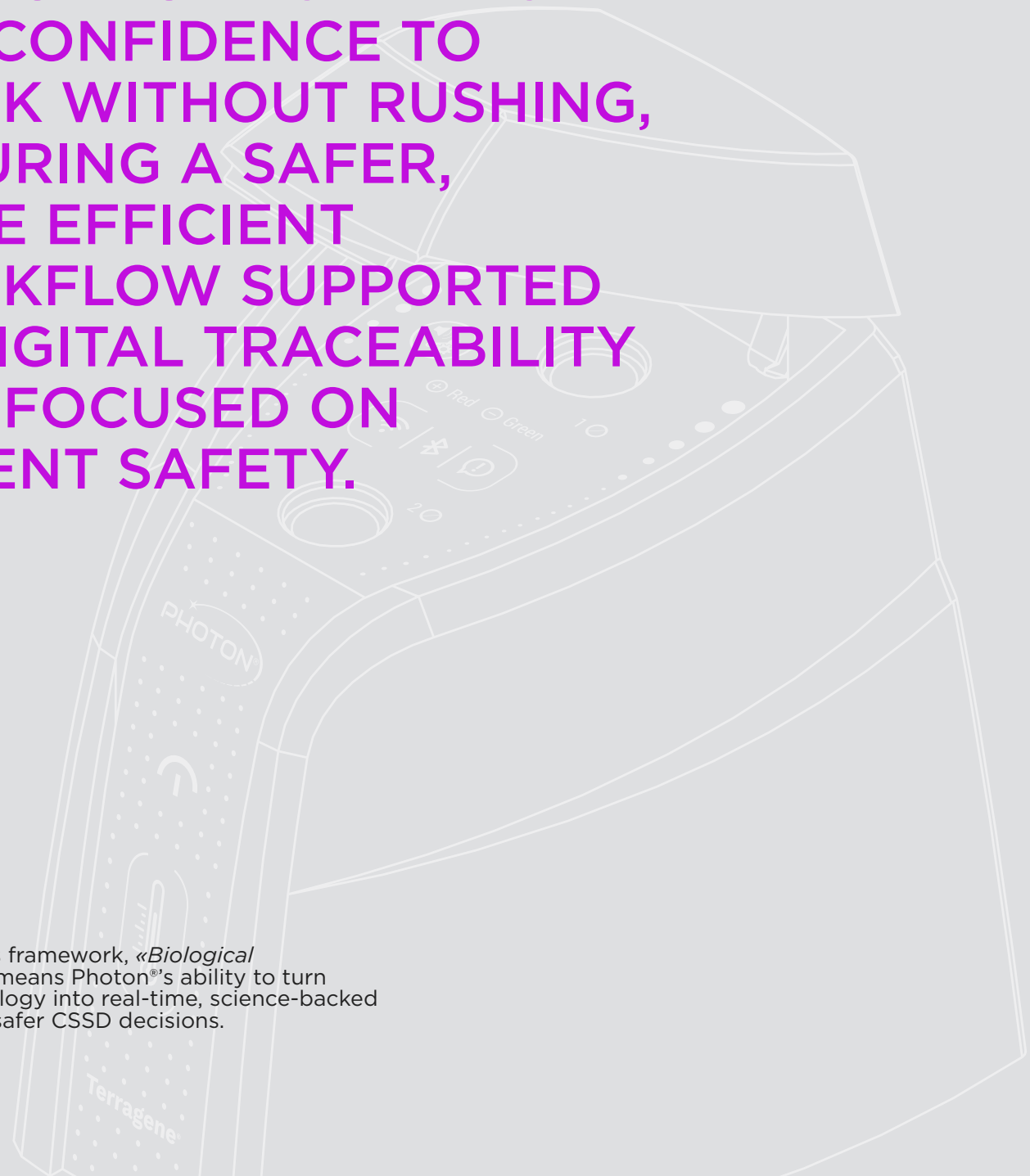
**Photon® isn't just an upgrade — it's a leap, bringing sterilization into the digital era with the speed, precision, and intelligence that modern healthcare demands.**

Photon® introduces a new generation of biological monitoring through its **innovative biological intelligence system**, enabling CSSD professionals to make **decisions in real time** and keep every step seamlessly coordinated.

**PHOTON® GIVES TEAMS THE CONFIDENCE TO WORK WITHOUT RUSHING, ENSURING A SAFER, MORE EFFICIENT WORKFLOW SUPPORTED BY DIGITAL TRACEABILITY AND FOCUSED ON PATIENT SAFETY.**



In Terragene's framework, «*Biological Intelligence*» means Photon's ability to turn molecular biology into real-time, science-backed certainty for safer CSSD decisions.



# PHOTON®: BEYOND SPEED. BIOLOGICALLY INTELLIGENT.

Not just monitoring – true understanding of the spore's vital core. Photon® is the first Biological Intelligence System, granted by the FDA under a dedicated category.

Bionova®  
Photon®  
BPH



Bionova®  
Photon®  
BT225



Bionova® Q  
and printed  
ticket



While others focus only on speed, Photon® goes further, delivering:

**REAL-TIME INTELLIGENCE FOR PRECISE, SCIENCE-BACKED CSSD DECISIONS.**



FDA  
De Novo  
granted

# WHAT MAKES PHOTON® UNIQUE?

By converting complex biological data into actionable insights, Photon® turns sterilization from a waiting system into a process of knowing — faster, safer, smarter.

**1** 7-SECOND READ-OUT RESULT, not an estimate.

**2** MOLECULAR-LEVEL DETECTION: detects native protein conformation through fluorescence.

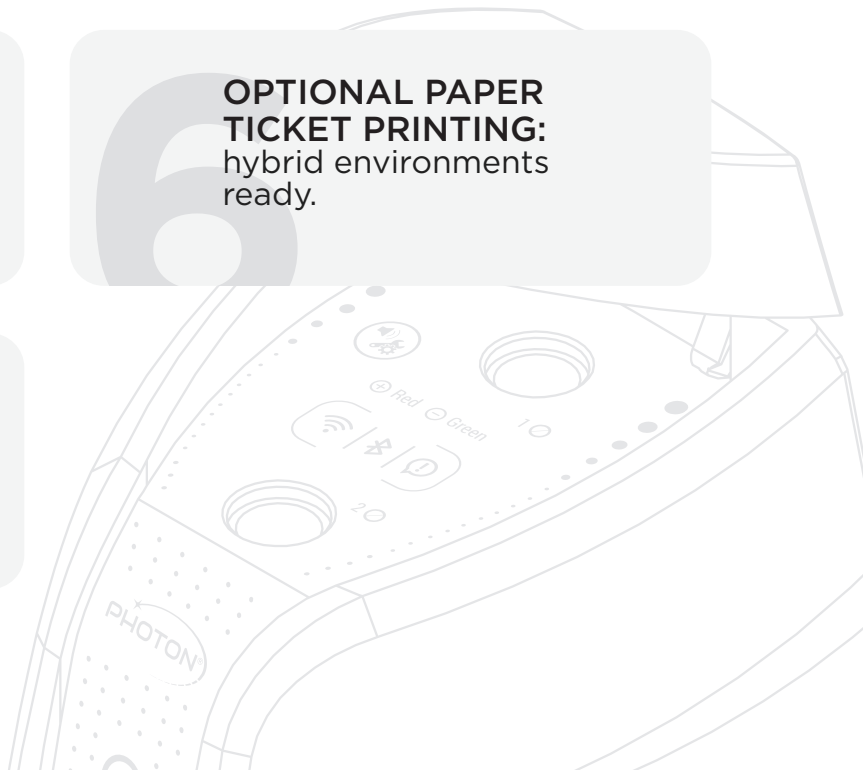
**3** FDA DE NOVO GRANTED + ISO 11138-1:2017, ISO 11138-3:2017, ISO 11138-8:2021 COMPLIANCE (BT225).

**4** CLOUD-BASED TRACEABILITY: integrates with digital record systems.

**5** CREATES A NEW STANDARD: Biological Intelligence Systems.

**6** OPTIONAL PAPER TICKET PRINTING: hybrid environments ready.

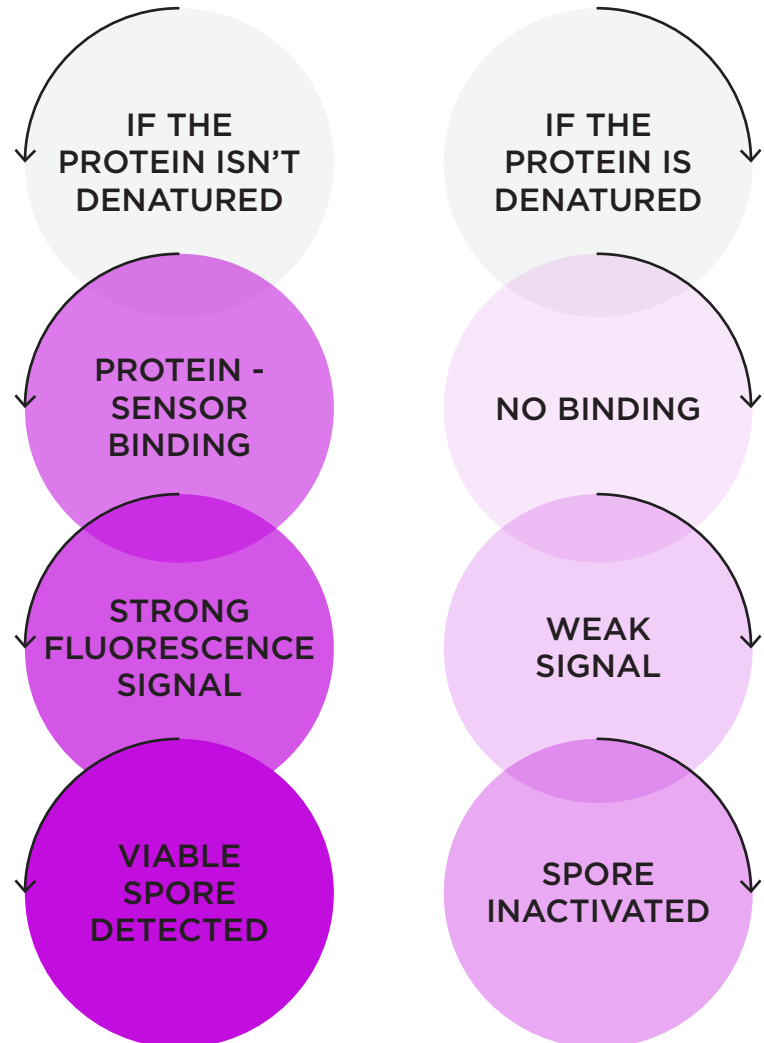
**7** VALIDATED UNDER REAL-WORLD CONDITIONS: tested in real autoclaves, not lab simulations.



# HOW DOES IT WORK?

Bacterial spores contain proteins with specific 3D structures that remain functional unless denatured by steam.

Photon® uses a fluorescence probe to detect these functional protein structures.



**PHOTON® READS THIS IN JUST 7 SECONDS. THAT'S NOT FAST. THAT'S IMMEDIATE CERTAINTY.**

# COMMERCIAL ADVANTAGES FOR DISTRIBUTORS

Photon® is more than an innovative product—it gives distributors a clear edge in a digital, traceable, and differentiated healthcare ecosystem.

**EXCLUSIVE TECHNOLOGY,**  
no “me-too” competitors.

**FULL COMMERCIAL KIT:**  
demos, training, and scientific data.

**PREMIUM POSITIONING,**  
with traceability and innovation for tenders.

**NEXT-GEN SOLUTION,**  
for healthcare digital transformation.

**PROVEN ADOPTION,**  
trusted by innovation-driven hospitals.

**IUSS-READY:**  
expands opportunities in urgent reprocessing markets.

**PORTFOLIO DIFFERENTIATION,**  
stand out from competitors.



# MEASURABLE IMPACT FOR HOSPITALS

## PHOTON® TURNS WAITING TIME INTO DECISION TIME:

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Faster release = **more procedures per day**

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Traceable data = **audit-ready reporting**

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Real-time certainty = **safer, smarter workflows**

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Less delay = **reduced OR risk and stress**

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Digital + physical = **adaptable to any hospital environment**

## BETTER RESULTS, LESS STRESS



Work smoothly: reduce bottlenecks and stress at every stage.



Rely on precise results: decisions are based on solid scientific evidence.



Coordinate efficiently: validated results enable better scheduling and teamwork.

# PHOTON<sup>®</sup> DOESN'T FOLLOW STANDARDS. IT REDEFINES THEM.

Hospitals need more than compliance —  
they need precision, speed, and confidence.  
Photon<sup>®</sup> delivers:



**BIOLOGICAL  
INTELLIGENCE**



**REAL  
VALIDATION**



**OPERATIONAL  
CERTAINTY**

**LET THEM LEAD  
THE FUTURE OF  
STERILIZATION.**



## SELLING SHEET

### Photon® at a glance:

- 2 readout positions for incubation of Bionova® Photon® BT225 BIs.
- 7-second real-time result.
- Validated molecular detection.
- FDA De Novo + ISO 11138-1:2017, ISO 11138-3:2017, ISO 11138-8:2021 (for BT225).
- Cloud connectivity + physical ticket.
- First and only Biological Intelligence System.

**Empower your team with  
next-gen technology**

[BOOK A DEMO TODAY](#)

[VISIT TERRAGENE.COM/PHOTON](https://www.terrogene.com/photon)



**This is not the future — it's  
happening now. Real-time  
intelligence for CSSDs.**