

Enzyme Indicator Technology

An Exclusive Partnership with



TOMI™ now offers Protak's line of Enzymatic Biological Indicator (EI) products. This validation option is now available for SteraMist™ decontamination projects both in the U.S. and abroad, with **TOMI™ being the only supplier in the U.S.** TOMI™ has the opportunity to offer its clients not simply the most innovative technology on the market for decontaminating spaces, but now the fastest validation process to prove it.

About Protak Enzyme Indicator Technology:

- Protak is the globally exclusive appointed licensee of thermostable Adenylate Kinase technology, developed over 15 years by Public Health England, an executive agency of the United Kingdom's Department of Health.
- The only manufacturer of EI's for hydrogen peroxide decontamination performance validation in the world.
- EI technology offers the pharmaceutical and life sciences market a **60 second quantitative validation process post decontamination treatment** vs. the standard in today's market which is a binary pass/fail with a 7 day wait prior to reusing the treated room or releasing the sterilized products.
- The EI package includes: EI's (12pk or 192 pk), ADP Reagent Set, choice of Twin Shot Carousel Reader or 160 Chain Reader, and a Flight Case.



Benefits of Enzyme Indicators (EI's):

Fast Results in Less than 60 seconds:
Instant results + instant action = what's needed to reduce waste, improve productivity, and save lives.

Comprehensive & Accurate Data Capture:
EI readers provide quantifiable, linear readings that provide users with substantially more information than the current Biological Indicators (BI's). EI's can act as early warning systems- allowing performance monitoring, threshold release and automatic data capture.

Performance Assurance:
EI's are manufactured to eliminate rogue results and provide more accurate data than conventional BI tests. EI test packages also include an optional on-site self-validation process.

Simple & Easy to Use:
A simple test strip is used alongside an luminometer, which reads and delivers results instantly.

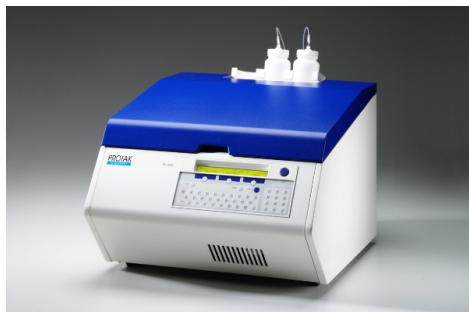
Highly Cost Effective:
The many benefits of the initial investment in EI reader and strips include immediate results, longer and stable shelf life of the indicators, and the ability to resume same day operations.

Proven & Researched:
Created and Extensively tested by Public Health England (PHE) for 15 years, EI Technology is protected globally with five families of over 60 patents.



More About Enzyme Indicators

- tAK is applied to a non-hazardous, non-toxic carrier in an ultra-controlled manufacturing process.
- Endotoxins are removed from the Adenylate Kinase prior to application on the carrier.
- Tests are supplied with a specially designed carrier that allows safe, simple placement in a wide variety of configurations.
- The indicators can be easily ejected from their carriers straight into their reading tube without the need to handle.
- The enzyme catalyzes a reaction that produces light (Luciferin/ luciferase) and the amount of light produced is directly comparable to the amount of remaining tAK activity on the indicator.
- The light output is measured using a Luminometer and provides a quantifiable numerical value. The process takes less than 60 seconds.
- Protak Enzyme Indicator readers offer the ultimate in data capture and ease of use.
- Luminometer software can be programmed to record different information fields such as individual test identifiers, test positions, cycle type and user and equipment I.D.
- The Reader presents data in two primary formats, exports and prints secure tamperproof raw data.



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