

Infection Control

The logo consists of a bright white circular glow surrounded by a ring of small, light blue dots. The text "Howorth Air Tech" is centered within the white glow.

Howorth
Air Tech

Infection control,
under control.

Clean air pioneers since 1858

Create an air of certainty.

With proven infection control
technology from Howorth.

Bringing an air of

RELIABILITY

to infection protection



In a world where protection against infection has never mattered more, Howorth Air Tech is doing more for those who matter.

Every day, everything we do is focused on optimising air quality and keeping healthcare environments safe for patients and health personnel. From critical care areas to isolation units, our attention to detail and dedication to reducing the incidence of Healthcare Associated Infections is bringing greater protection to patients and staff.

So when you need to know isolation and patient care areas are safe, we're all you need to know.



The mobile decontamination system

that's safe, effective
and convenient



BIOGEN DUO is a remotely operated mobile decontamination system.

It disperses hydrogen peroxide, vapourised ultrasonically, and then degases via an associated de-aeration unit.

Infection control

dispersed

Ultrasonically.
And ultra effectively.



The **BIOGEN** system will provide a fully validated decontamination achieving a 6-log sporicidal reduction, making it ideal for use in operating theatres, hospital bedrooms and isolation units.

Unlike earlier generation models, where hydrogen peroxide is vapourised on a hotplate, the next generation **BIOGEN** design achieves this by ultrasonication, negating the requirement for system conditioning and with much faster dosage rates.

For remote decontamination



A simple switchover from gassing to aeration then allows the catalyst to draw the vapour from the room and break it down into water and oxygen. There is no need to dehumidify the room either as this system can operate at up to 65% RH.

Features

- Compact fully self-contained system with associated de-aeration units
- Remote operation via Wi-Fi tablet so operators can remain outside the room
- 2-minute set-up time
- Rapid cycle time – as low as 1 hour
- Immediate validation of 6-log reduction using EI (Enzyme Indicators)
- Safe and easy operating
- Open source

Nothing comes close



The whole process is fully controlled remotely via a Wi-Fi tablet and validation is achieved using Protak – Enzyme Indicators.

Wi-Fi tablet

- Robust, thin and lightweight
- Water resistant
- Compatible with all cleaning agents to eliminate cross-contamination
- Barcode reader to validate decontamination cycles including operation reports
- Lockable docking station
- Replaced within 24 hours if faulty or damaged

PROTAK



PROTAK means the traditional 7 days waiting for a result from Biological Indicators is over.

Developed by Public Health England, Enzyme Indicators (EI) are a pioneering alternative to really measure and validate decontamination performance instantly.

They are an industry changing advance in measuring and optimising the efficacy of your decontamination protocol.

Decontamination results

INSTANTLY

Clarity in biological safety



No longer will the healthcare and pharmaceutical industries suffer financial losses, wasted man hours and the burden of uncertainty.

PROTAK Enzyme Indicators offer a fast, cost-effective, accurate and reliable alternative.

Unlike the traditional Biological Indicator process which involves a wait of 7 days before a result is confirmed, every cycle using EI can be validated immediately and decontamination performance assured.



The decontamination measure that **ends** uncertainty

Instant results mean instant action. And instant action is what's needed to reduce waste, improve productivity and ultimately, save lives.

Performance assurance

EI are manufactured to eliminate rogue results and include an onsite self-validation process.

Simple to use

PROTAK EI tests are simple to perform and so can be done regularly by medical and pharmaceutical users.

A simple test strip is used alongside a bespoke luminometer, which reads and delivers results rapidly.

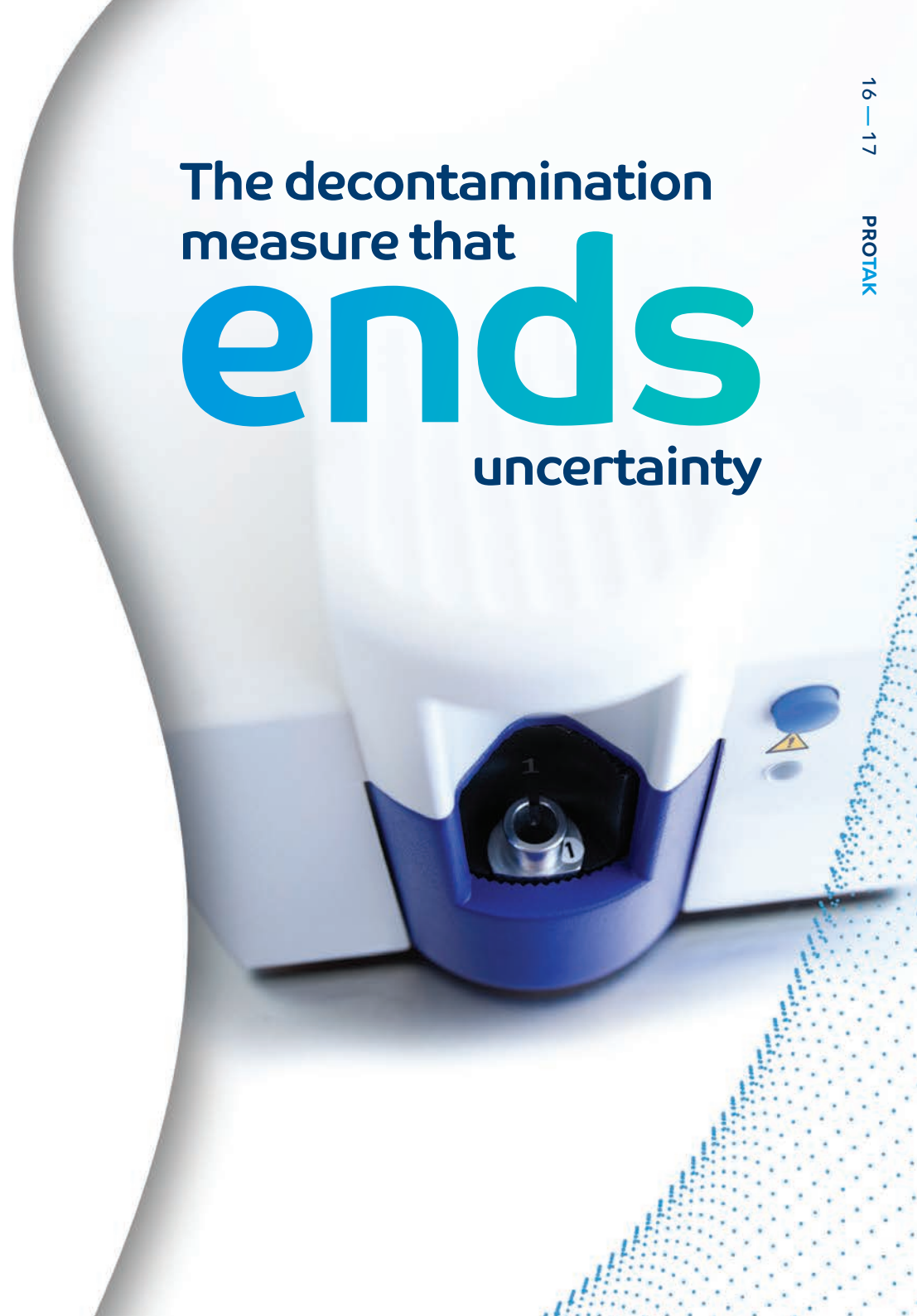
Satisfies the audit process

EI and tAK (thermostable Adenylate Kinase) validation provide the information needed to satisfy the audit process quickly and easily – and satisfy the regulators scrutiny.

Accurate data capture

The EI reader provides quantifiable, informative results that give the user substantially more usable data than the binary Yes/No of the current BI system.

Enzyme Indicators can act as early warning systems – allowing performance monitoring, threshold release and automatic data capture.





Pure innovation that's

Transforming patient protection

GENANO delivers nanoscale air purification without filters.

Air is drawn into the system and through powerful plasma discharges, negatively charging any airborne particles including microbes and viruses.

These negatively charged particles are then attracted to a positively charged collection surface.

The particle free air is then passed through an active carbon layer to remove VOC and odour and the resulting ultrapure air then passes back into the room.

Turn isolation rooms into **safe air space**



Positive pressure room

By using a **GENANO** unit to generate a positive pressure room, not only can such an environment be created quickly, but in the knowledge that the increased airflow into the room is ultrapure.

When creating a positive pressure environment for the protection of immunocompromised patients, such as cancer or burns patients, or immunosuppressed patients, perhaps having had a bone marrow or organ transplant, it is critical to know that those patients are protected from contamination.

Negative pressure room

GENANO units can also be used to create a negative pressure isolation environment.

With an infectious patient requiring medical care, it is key that the patient as well as the staff and other patients in the vicinity are protected.

A **GENANO** unit in this circumstance can ensure that the air being expelled to generate the negative pressure is free from contamination.

When there's no margin for error, there's no solution like Howorth.

Head office

Howorth Air
Technology Limited,
Victoria Works,
Lorne Street,
Farnworth, Bolton,
BL4 7LZ, UK

Telephone:

+44 (0)1204 571 131

Email:

info@howorthgroup.com

USA office

Howorth Air
Technology Inc.
Suite #305,
344-5 Route 9,
Lanoka Harbor,
NJ, 08734

Telephone:

+1 (484) 252 3860



For more information visit:
howorthgroup.com