



Solutions for Industry



**YOUR QC PARTNER
FOR INDUSTRIAL
MICROBIOLOGY**

[abscientific.com](https://absscientific.com)

QC FOR INDUSTRY

Supporting your transition to fully
validated and simplified protocols



Laboratory validation has never been under more scrutiny, and for many labs, updating protocols or switching products can feel overwhelming. With limited resources, competing priorities, and growing regulatory demands, finding time for change isn't always easy.

We understand, because we work with laboratories facing these challenges every day, and many of us have experienced them firsthand. Drawing on our expertise across validation tools, products, and solutions, we provide practical guidance and hands-on support to help you balance compliance, efficiency, and the realities of day-to-day lab operations.

Growth Promotion Testing

Pharmacopoeial requirements mean working with low inoculum levels (<100 CFU), carefully controlled strain passage histories, defined incubation conditions, and demonstrating growth comparable to approved media.

And, of course, it all needs to be repeated for every new batch of media.

We know that's a lot to manage when you have to be focused on keeping operations running smoothly.

Our expertise is in bringing you test-ready, quantitative microbial controls designed to simplify GPT workflows and speed up testing – without any compromise on confidence in your results.

With a wide range of convenient formats and one of the industry's most comprehensive collections of strains, our goal is to make it easier to fully meet your GPT requirements – and save your lab valuable time.

See our GPT solutions



We partner with Microbiologics, the leading provider of ready-to-use QC microorganisms for quality control testing across clinical, pharmaceutical and educational laboratories.

GPT Solutions

EZ- Accu Shot

Instant dissolve lyophilised microorganism pellets giving 10–100 CFU per 0.1ml of inoculum with 8hrs stability

EZ- CFU One Step

Ready-to-use quantitative microorganisms just three passages from the reference culture (10–100 CFU)

Other QC Solutions

KWIK-STIK

All-inclusive qualitative lyophilised microorganism pellet, ampoule of hydrating fluid and inoculating swab – in one!

LYFQ DISK

One glass vial containing six pellets of a single strain for high flexibility. It's an ideal solution for multiple QC testing.

SELECTED SOLUTIONS



Growth Promotion Testing

EZ-Accu Shot

Instant-dissolve lyophilised microorganism pellet delivers 10–100 CFU per inoculum and provides 8 hours of stability after rehydration.

- **Delivers 10–100 CFU per 0.1ml**
- **Strains are less than or equal to three passages from reference culture**
- **No dilutions required for simplified test procedure**
- **Refrigerator storage is easy and economical**
- **Over 40 strains (custom also available)**
- **Instant dissolve pellet reduces prep time**



Up to 50 tests per kit

EZ-CFU One Step

Ready-to-use quantitative microorganisms just three passages from the reference culture and delivering 10–100 CFU per inoculum, as required by the Pharmacopeias. Minimal preparation time.

- **Accredited reference material under ISO 17034 standard**
- **Delivers 10–100 CFU per 0.1 ml as required by USP/Ph. Eur./JP**
- **No dilutions required for simplified test procedure**
- **Up to 8 hours stability allows for ultimate flexibility**
- **19 tests per set-up, 190 tests per kit**
- **Strains are less than or equal to three passages from reference culture**
- **Refrigerated storage is easy and economical**
- **Traceability to reference cultures ensures authenticity**



Format: 20 quantitated lyophilised microorganism pellets, 10 hydration fluid

See how easy it is to use EZ Accu Shot



KWIK-STIK



Well-known for its clever design and accurate, repeatable results.

- **Over 900 strains available**
- **All-in-one design reduces contamination risk**
- **Strains are less than or equal to three passages from reference culture**
- **Refrigerator stored for ease**



Epower

The embodiment of 'flexibility is your friend'. Epower has the versatility to let you simply use one product for all of your QC needs.

- **Available in concentrations ranging from 10² and 10⁸ CFU per pellet**
- **Can be combined for a mixed microorganism population**
- **Easily manipulated to deliver a wide variety of concentrations**

QC Microorganism sets available for many instruments, including:

**bioMérieux API®
bioMérieux VITEK® 2
Biolog GEN III MicroPlate™
Bruker MALDI Biotyper®
Charles River Axcess™**

And many more!



Cost-effective tailored QC is our speciality

With 50 years of experience in Microbiology and Molecular biomaterials, **Microbiologics** can offer an extensive range of tried-and-true, user driven qualitative and quantitative product formats that can be adapted to your specific needs.

We guide you through what is a seamless process for creating custom biomaterials for your need: solutions for environmental isolate controls, viral stock production, microbial growth and preservation and diagnostic assay development.

Microbiologics' versatile manufacturing capabilities means they can design and produce **customised solutions** with a full range of services for environmental isolate management – from ID and characterisation, to preservation and storage – manufacturing in any of their ready-to-use formats for QC testing.

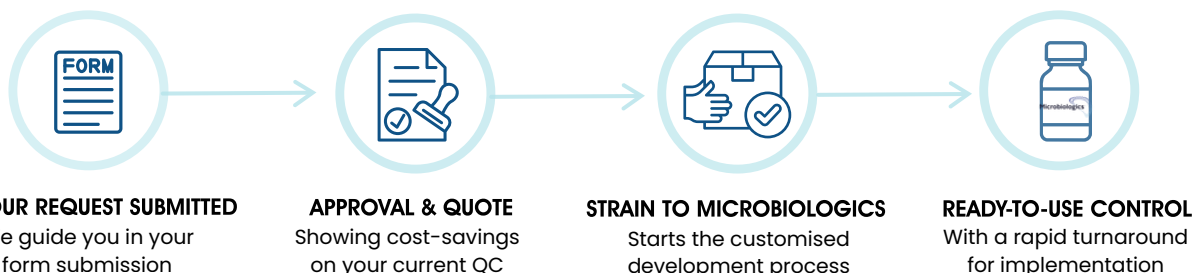
Why do we partner with Microbiologics?

- ✓ Convenient test-ready formats save you time and money
- ✓ Easy and economical storage – NO FREEZING requirement
- ✓ Technical support expertise, specialist customer guidance
- ✓ Excellent quality systems including ISO 17034 certification



What is the process for QC customisation?

It's simpler – and far more cost-effective – than many of our customers think! Your isolate is identified both phenotypically and genotypically, and all the strain information you share remains proprietary (isolate stock cultures are maintained for future reference). **Quality Control** is run on your custom controls prior to every shipment, and technical support is available for any guidance or questions you might have.



Applications:

– Aseptic Processing Environment – Disinfectant Qualification – Growth Promotion Testing – Suitability Testing – Validation of Neutralisation Methods – Water for Pharmaceutical Purposes



Laboratories we work with are under growing pressure to deliver accurate, consistent results while keeping up with changing products, regulations, and customer expectations. Without flexibility to adapt, inefficiencies can quickly increase costs and slow innovation.

The smarter approach is to **build adaptability into your quality control strategy from the start**, helping you to maximise existing investments today, while staying ready for tomorrow's challenges.

We can help you strengthen operational resilience, simplify compliance, and create a QC environment that grows with your business, without the need for costly replacements as your requirements evolve.

Key benefits of our QC range for Industry Customers:



More cost-effective
QC packs with matching expiry dates reduce waste



Refrigeration-only
Significantly freeing up laboratory freezer space



Fully customised QC
Meeting all your needs with tailored targeted solutions

Our company motto is *'it's all about you!'* – we're field-based and alongside you as much as you'd like us to be. We'll guide you with the information you actually want – and need – to know, answering your questions clearly:

FAQs for GPT Solutions

Testing Guidance

At what temperature should the microorganisms be stored?

The microorganisms should be stored at 2 to 8°C. Once rehydrated the microorganisms have an 8hr stability.

How can I ensure good results when I perform a Growth Promotion Test?

Test the new medium and the previously approved medium in parallel, use a spreader for even distribution and use a vortex mixer to mix the suspension.

There are different products for GPT – which one should I use?

EZ-Accu Shot suits all volumes (10 tests per vial, 50 tests per kit)
EZ-CFU One Step suits higher volumes (19 tests per vial, 190 tests per kit)

I need to inoculate my agar with 100 or more CFU – which product is best?

EZ-CFU™ microorganisms contain 1,000 – 9,999 CFU per pellet. In order to deliver more than 100 CFU, hydrate two pellets in the 2.0 ml vial of phosphate buffer provided in the canister and inoculate media with 0.1 ml (100–999 CFU).

QC VALIDATION SUPPORT



Wherever you are in consideration of your QC needs, we're highly experienced in managing your validation process for efficiencies



*"Throughout the whole implementation, the feeling has been that AB Scientific have **worked in partnership with us** in order to improve and simplify the running, monitoring and trending of internal quality control procedures..."*

Microbiology Services Manager

"The level of attention and reactivity that has been displayed is paramount in my ability to be able to recommend AB Scientific to others, whether in Pharma or another field that may have use of their products or services..."

Industrial Supplies Buyer, Global Pharmaceuticals

[See our Growth Promotion Testing solutions](#)



BIOLOGICAL INDICATORS



Quality Control for H2O2 Decontamination

To complete our comprehensive approach to industry QC needs, our selected biological indicator solutions deliver precise validation for your sterilisation processes.

This BI range benefits from a highly competitive lead time.

Stainless Steel Coupon

Designed for use in evaluating the efficacy of decontamination processes using vaporised H2O2. The coupon BI uses a traditional format (spores on a solid carrier, packaged in a permeable envelope) and is ideal for use in cycle development and validation of decontamination processes on isolators, RABS, cleanrooms and other enclosures.

- 12.7mm x 7.9mm
- Tyvek/Tyvek Packaging
- Inoculated with 12980 *G. stearothermophilus*
- 106 Population



Stainless Steel Strip "Naked BI"

Designed for use as a naked BI where concerns exist with the ability of H2O2 (atomised, aerosolised, fogged, etc.) to adequately penetrate primary packaging (e.g. Tyvek envelope) during decontamination processes. The strip BI is ideal for placing the spore challenge in tight locations during cycle development and validation activities.

- 6mm x 63mm
- Inoculated with 12980 *G. stearothermophilus*
- 106 Population



Both the above solutions offer:

- 100 BIs/Bag
- 18 month expiration
- Room temperature storage
- 103-105 Populations are also available

Culture Media

Designed for use with both the stainless-steel coupon and strip BI. The media is used by GDL during the resistance testing of each BI lot which is reported as the D-value on the CoA. To promote consistent BI performance during routine use, it is recommended that the BI and the culture media be used together as a system.

- Tryptic Soy Broth with bromocresol purple
- Purple to yellow color change with positive result
- 3 ml fill volume
- 16mm x 100mm borosilicate glass tube
- 100/box



Contact us to discuss your specific needs





scientific

Solutions for Industry



~ always bringing the best solutions

IRELAND

info@abscientific.ie

+353 1 2641041

The Brewhouse
Abbey Quarter
Kilkenny R95 DXR1

UK

info@abscientific.com

+44 (0)20 8396 6171

124 City Road
London
EC1V 2NX

Sign up for our Newsletter to stay updated!

info@abscientific.com