



DWK LIFE SCIENCES
DURAN WHEATON KIMBLE

CASE-STUDY CONCERT BIO

Optimizing lab efficiency and ergonomics:
Concert Bio's transition to **DURAN® YOUTILITY®** bottles

"Switching products can be a tough decision but the people who actually work in the lab **really benefit from using DURAN® YOUTILITY® bottles.**

Especially for people who have smaller hands, if you have a large amount of lab work and are using standard media bottles, your hands can become quite sore and it's not really good for the physical health of your staff."

Yutong Shi, Research Associate • Concert Bio



Customer: Concert Bio

Project/Application: Optimizing lab workflows, ergonomics, and hygiene

DWK Life Sciences products featured: DURAN® YOUTILITY® bottle

OVERVIEW OF COMPANY

Concert Bio develops innovative microbial solutions to support the growth of crops in hydroponic greenhouses. With headquarters in London and additional facilities in the UK, the company works with greenhouse and controlled-environment growers globally to develop and test their candidate products. Their key activities include 3rd generation DNA sequencing, bacterial isolation and culture, microbiome data analysis, and producing tailored microbial products for growers. Currently, the company is raising its seed funding round to scale up production and launch its products globally.

THE CHALLENGE

Prior to adopting DURAN® YOUTILITY®, the company used traditional bottles for media preparation within their bacterial lab. The conventional bottles lacked colour coding for media differentiation, were difficult to grip due to their bulky design, and lacked pouring rings, causing media to spill and adhere to the bottle exteriors. Additionally, the traditional bottles consumed excessive storage space and were prone to contamination issues, which were critical concerns for bacterial culture work. The team required a solution that could streamline lab workflows, enhance ergonomics, and maintain high hygiene standards.

THE SOLUTION

DURAN® YOUTILITY® bottles addressed the company's needs by offering an ergonomic design that is easy to grip, even for individuals with smaller hands. The bottles' color-coded components allowed seamless media differentiation without the need for adhesive labels or autoclave tape, reducing contamination and simplifying workflows. The inclusion of a pouring ring prevented spills, ensuring clean and efficient media handling. Additionally, the taller and more compact design of the DURAN® YOUTILITY® bottles optimized storage space in the lab.

The lab team found the DURAN® YOUTILITY® bottles to be user-friendly and adaptable to various applications, including

autoclaving microbiology media and preparing liquid or agar media for bacterial culture experiments. The bottles' durability and clean aesthetic were notable additional benefits.



THE RESULTS

The adoption of DURAN® YOUTILITY® bottles enhanced operational efficiency and user satisfaction in the bacterial lab. Key benefits included:

- **Ergonomic design:** Lab personnel found the bottles easy to handle, reducing physical strain during high-volume tasks.
- **Hygiene improvements:** The pouring ring eliminated exterior drips, maintaining cleanliness during bacterial media preparation.
- **Enhanced workflow:** Colour coding facilitated efficient media identification and eliminated the need for autoclave tape or adhesive labels.
- **Space optimization:** The compact design saved valuable storage space in the lab.
- **Sustainability:** The bottles demonstrated long-lasting performance, reducing replacement frequency.



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