Advanced high-throughput Bioburden Automation designed with QC expertise and robotic skills

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RAYA 2025 Finalist Event

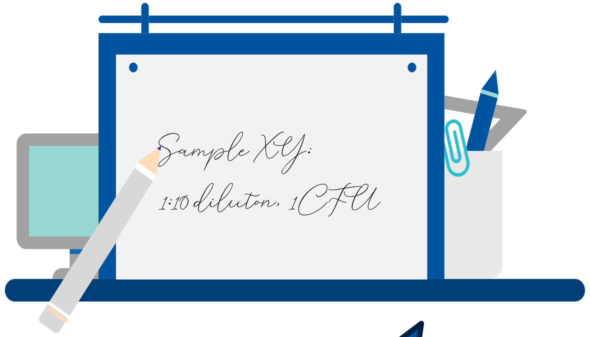
Bioburden Testing: Membrane based testing in the QC lab to assess microbiological load in products and raw materials

SOPs, Regulations, GMP, Safety, Timelines

Skilled

Safety Cabinet

Very manual

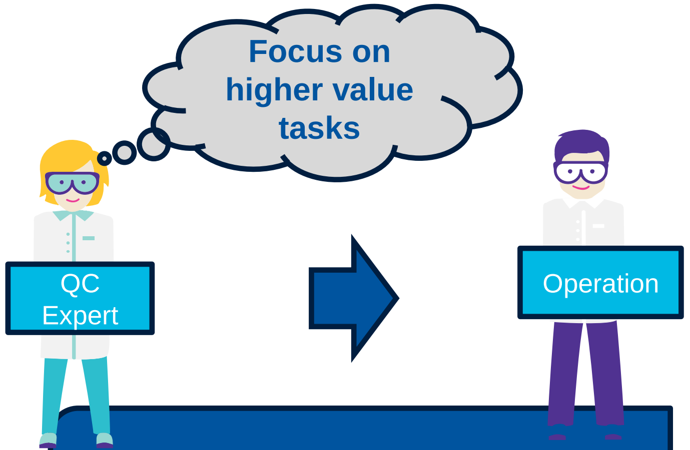


Handwritten documentation

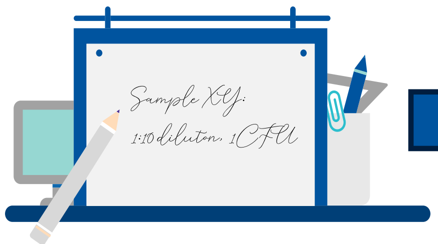
Investigations: results correct ?

Key drivers for QC automation in Pharma

Reduction of human handling to reduce contamination risk



Resource Management / Less skills required



Data Integrity / Traceability

Increase efficiency & robustness of the testing

High-throughput automated Bioburden Solution

Criteria: Key Benefits of the Solution

Cost Effectiveness

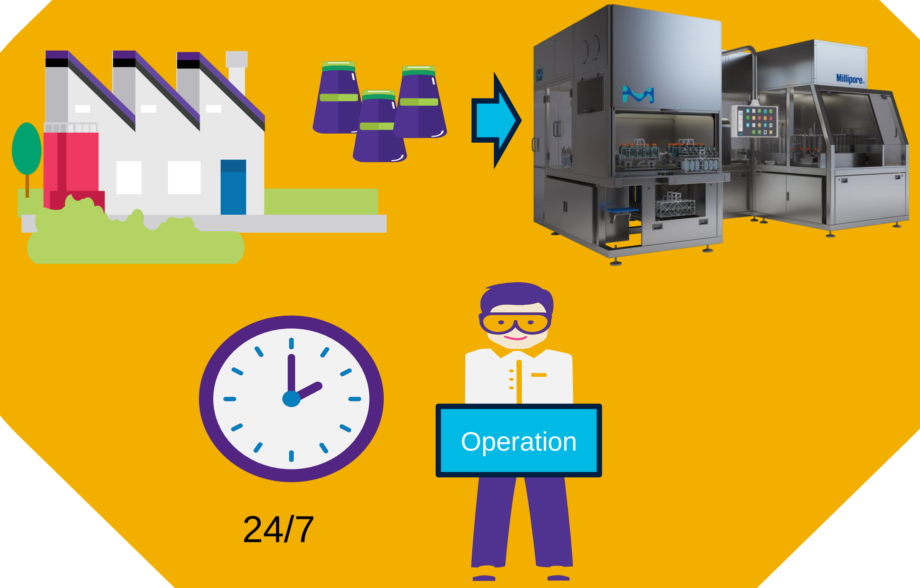
ROI < 2 years

Ease of implementation

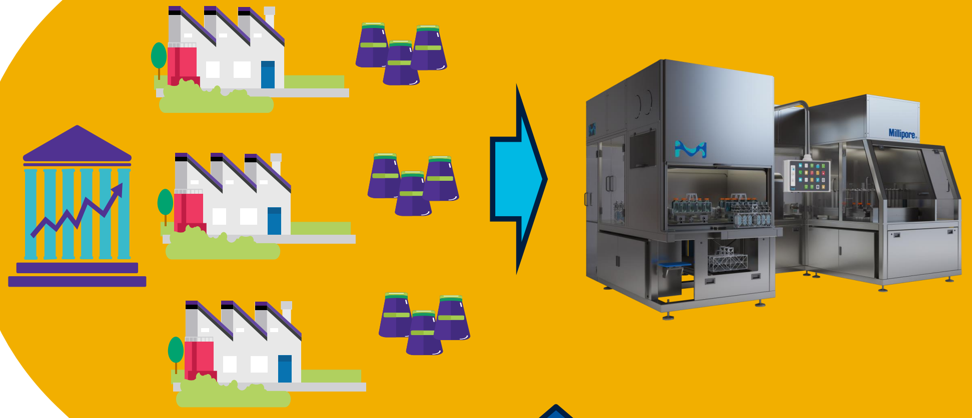
- Commercial standard solution - validated
- Software customizable to user SOPs
- UV-light decontamination & automated cleaning of pumps

Criteria: Flexibility of the Solution

Streamline Manufacturing and Testing



Fast adjustment to manufacturing scale-up



No additional QC resources required

Why should the project win?

Merck Automation Team

Empowering Quality Control: Your Vote Fuels Our Automation Journey!