

Case Study: iFAST Diagnostics and Life Science Group

iFAST Diagnostics is addressing the \$4bn Antimicrobial Susceptibility Testing (AST) market. iFAST have developed a low cost, high throughput test delivering results in 3-4 hours from a positive blood bottle or a raw urine sample, saving lives and reducing the spread of antimicrobial resistance.

Project Overview

The project focused on sourcing and producing media-filled bottles customised to iFAST specifications. LSG's role was to ensure that the product was manufactured and packaged to meet the extremely short timeline required by iFAST. Throughout, LSG maintained GMP compliance, ensuring that all products met the highest standards of quality and safety.

Life Science Group's Role

iFAST contacted LSG for an urgent requirement for the supply of filled, sterile specific media formulation into a bottle that they had not yet sourced. LSG delivered tailored support throughout the project, sourcing and validating a suitable PPCO bottle, handling custom manufacturing with very short timelines, ensuring regulatory compliance and organising same day delivery of the final shipment. The entire process, from first contact to delivery of the final product was achieved in under four weeks.

Key Outcomes and Achievements

The partnership has enabled iFAST to meet its timelines for submission of samples for regulatory compliance, ensuring their pipeline remains on track for delivery of their product in Q2 2025

What LSG Gained

This partnership did not just meet the needs of iFAST but it allowed LSG to demonstrate their flexibility, fostering internal development and enhancing the manufacturing capabilities. Through this collaboration, LSG gained valuable experience which will enable the company to support iFAST and others in similar projects. Organisational skills were further refined by managing complex workflows and coordinating logistics across multiple stages of production.

Challenges and Solutions

Managing stock for products with tight manufacturing dates required precise planning and control. Meeting deadlines, precision and stability were essential, particularly in filling and securing liquid contents for safe shipping. LSG addressed this through advanced dispensing techniques, maintaining quality throughout production and shipping. Their regulatory and logistics expertise ensured compliance and reliability, supporting a smooth, successful launch for iFAST

Future Plans

The successful outcome of this project and the support that LSG gave to iFAST has resulted in a strong foundation for further future collaboration and manufacturing. Future projects may involve large manufacturing production runs and optimising product for terminal sterilisation by gamma irradiation. By offering flexibility in the manufacturing processes LSG aims to meet iFAST's needs, strengthening the partnership and driving shared growth. This collaboration highlights how a customer-client relationship can evolve into a mutually beneficial partnership fostering innovation and success.

QUALITY - TRACEABILITY - INTEGRITY

Life Science Group

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