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Lonza opens Media Development Lab in Singapore for cell culture media optimisation

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To identify robust, scalable media formulations driving cell culture performance and reliability

Lonza, one of the world's largest contract development and manufacturing organizations (CDMOs), has announced the launch of its Media Development Lab at its Singapore site. The offering aims to support bioprocessing customers in optimising their media formulations and facilitating a smooth transition to GMP manufacturing, helping reduce scale-up risk and strengthening long-term supply readiness.

As development timelines accelerate and process complexity increases, the cost and risk associated with late-stage reformulation and scale-up continue to rise. Many organizations still lack structured media optimization and alignment between development and manufacturing.

To address these challenges, the Media Development Lab provides a systematic approach to early media optimisation while accounting for scalability, raw material readiness, and GMP manufacturability.

Leveraging Design of Experiments, the service evaluates multiple variables simultaneously to identify key performance drivers, accelerating development timelines, and reducing unnecessary iterations. It combines access to Lonza's proprietary, diverse media and feed libraries with manufacturability insights to identify robust, scalable formulations early in development, with structured outputs that define performance ranges and process robustness.

Michael Goetter, Head of Bioscience, Specialised Modalities, Lonza, commented: "We are committed to providing customers with the services they need to reduce early-stage risk and select media formulations that are effective at a laboratory scale and simultaneously practical and reliable in manufacturing. Our new Media Development Lab enables us to support customers at the critical front end of their programs, shape formulation strategy, and create a natural pathway into non-GMP and GMP manufacturing."