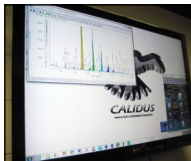


## CALIDUS™ micro GC Customer Case Study ~ Lonza Group LTD

Lonza Inc. sought to improve batch process control for food grade materials by reducing turnaround time for their GC-based endpoint measurements.



In measurement for process control, whether in batch or continuous processing, time is critical. Timely measurement of process composition is needed for controlling to both product quality and profitability requirements. Over-processing consumes energy, reduces throughput and can negatively impact final product quality. Under-processing reduces yield, increases raw material costs and can negatively impact final product quality.



Ending batches at reaction completion is optimum. Automation using CALIDUS™ micro gas chromatography systems makes the measurement job much faster and more reliable, with a space-saving and highly user-friendly analyzer.



Falcon Analytical teamed with professionals from Lonza's QA/QC, Production, and R&D groups to develop and implement the CALIDUS micro GC application.

Analytical requirements included seven sample types with sample boiling ranges from about C<sub>3</sub> to C<sub>50</sub>. The CALIDUS GC system performed the measurements nearly 10 times faster than traditional methods, while meeting all repeatability and reproducibility requirements.

Faster analyses mean faster, more optimized production for Lonza, with sustained or improved product quality and increased opportunities for reducing costs.

