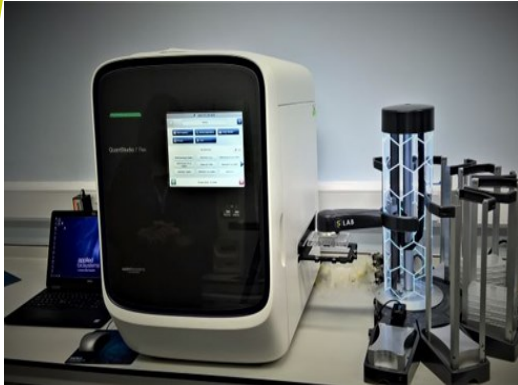


qPCR Automation with the PAA S-LAB™ Plate Handler

S-LAB
AUTOMATED PLATE HANDLER



Introduction

Generating large scale data for pharma and biotech R&D, demands consistency, data integrity, speed and time efficiency. The **S-LAB plate handler** from PAA delivers on all these accounts. Integrating the S-LAB with your **qPCR** real-time systems allows for significant walk-away time and continuous operation of your thermal cycler – enhancing laboratory throughput by orders of magnitude.

qPCR Automation

High throughput screening, multiplex detection, quantifying nucleic acid amounts, probing SNP and genetic variations are just a few applications where **qPCR** is used.

Summary

The **Applied Biosystems™ QuantStudio™ 7** qPCR systems together with the **S-LAB plate handler** provides a proven integration platform that allows laboratories unattended sample analysis. Scalability has never been easier. Contact PAA if you would like advice on how to automate your real-time qPCR devices. We can provide increased productivity with unmatched value.

Its use is growing significantly in drug discovery, biomarker validation, ctDNA analysis and pathogen load for personalised medicine and POC in the clinic. The **Applied Biosystems QuantStudio 7** has been integrated successfully with the **S-LAB plate handler**.

Applications

- / Gene expression (mRNA) analysis
- / MicroRNA profiling/Quantification
- / Genetic Variation (SNP) analysis
- / Drug Metabolism Enzyme (DME) genotyping
- / Copy Number Variation (CNV) Analysis

S-LAB plate handling

PAA's S-LAB plate handling system is an entry level automation solution designed for easy installation and use. The S-LAB plate handler operates standalone, offering unattended loading and unloading of plates into your **qPCR** system with full plate tracking. With a barcode reader and delidding functionality included as standard, the S-LAB plate handler offers a flexible and easy-to-use automation solution.

Harmony™ user interface

PAA's Harmony user interface takes you through setting up your assay. Follow the process, review the entries, select run and walk away. The plates are automatically loaded into your **qPCR** system. Harmony sends you a message when the batch has been completed.

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