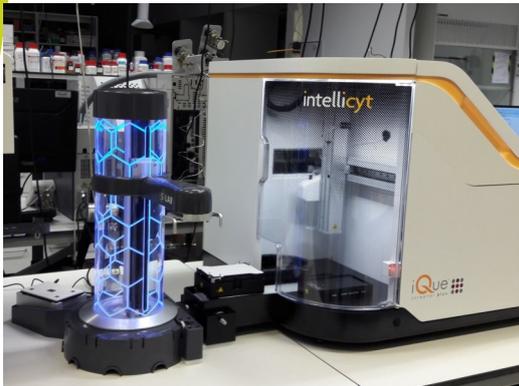


HTFC with the Intellicyt® iQue Screener loaded by the PAA S-LAB™ Plate Handler

S-LAB AUTOMATED PLATE HANDLER



High-throughput flow cytometry made possible by automation

Whether you are doing primary screening for therapeutic antibodies directly from B-Cells via cell line development, establishing check point molecules or evaluating Chimeric antigen receptor (CAR) T cell function, the **Intellicyt iQue Screener HTFC** is widely used by major Pharma coupled with the **PAA S-LAB plate handling** system. Though multiparameter analysis is convincingly performed by the iQue Screener, handing the samples to the instrument can still be the bottleneck. This is where the S-LAB fits in with its seamless integration with the iQue Screener and similar HTFC technologies.

Introduction

Flow cytometry continues to play a key role in drug and biologics discovery today. Historically the major limitation has been throughput, with the manual recording of tube-based samples. Together with the increased sophistication of HCS analysers, plate-based sample sipping, and the use of plate handling systems, multiparameter analysis of vast libraries of drugs and biologics can be performed. This empowers scientists to analyse up to 500,000 wells/day! This is only possible because laboratories can carry out sample analysis unattended, by having confidence in and embracing automated plate handling into their workflow. Integrating the **S-LAB plate handler** with your **HTS Flow Cytometry systems** delivers this – enhancing laboratory throughput and data integrity significantly.

Summary

The **iQue Screener** range together with the **S-LAB plate handler** provide a proven integration platform that allows laboratories unattended sample analysis and easy scalability. This pairing is widely used in cancer research institutes, Pharma and Biotherapeutic manufacturing accounts worldwide.

Applications

- / Antibody Discovery & Development: Antibody screening, Functional Profiling, Cell Line Development.
- / Adoptive Cell Therapy: Immune cell killing, Immune cell assessment, Cytokine profiling
- / Small molecule screening: Primary immune cell screening, Yeast and bacterial assays, Target identification with siRNA and CRISPR.

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 **HTFC** system with full plate tracking. With a barcode reader and de-lidding functionality included as standard, the S-LAB plate handler offers a reliable, flexible and easy-to-use automation accessory.

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 **HTFC** system. Harmony sends you a message when the batch is complete.

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