



QIAcube

CASE STUDY

THE CHALLENGE



The majority of nucleic samples preps are done manually by scientist at low throughput with 1-12 samples at a time. Can we help scientist to automate their sample prep tasks and free up their time for more important scientific work?

THE GOAL



Automate the manual nucleic acid purification process, while leaving the manual purification chemistry and protocols unchanged. Scientist would not have to re-validate their workflows and the hurdle to switch. Keep the sales price for the system below the investment barrier at the average Universities and Research Institutions. The hurdle to switch to an automated method is minimal.



THE APPROACH

Identify appropriate automation technology to process manual spin columns; positive pressure, vacuum, centrifugation. Automated centrifuge with integrated consumable handling Sophisticated disposable centrifuge cartridge for sample processing and liquid waste handling. Establish a corporate instrument design and branding. Design to cost for higher volume production



THE RESULT

Many thousand units have been installed. QIAcube has become the reference automated low throughput nucleic acid purification and is still unrivaled in its market.