

DNA, RNA, and Protein Extraction and Purification

Hudson Robotics can create the ideal workcell to run your extraction and purification protocols – including nucleic acid extraction, plasmid and protein purification, and solid-phase extractions.

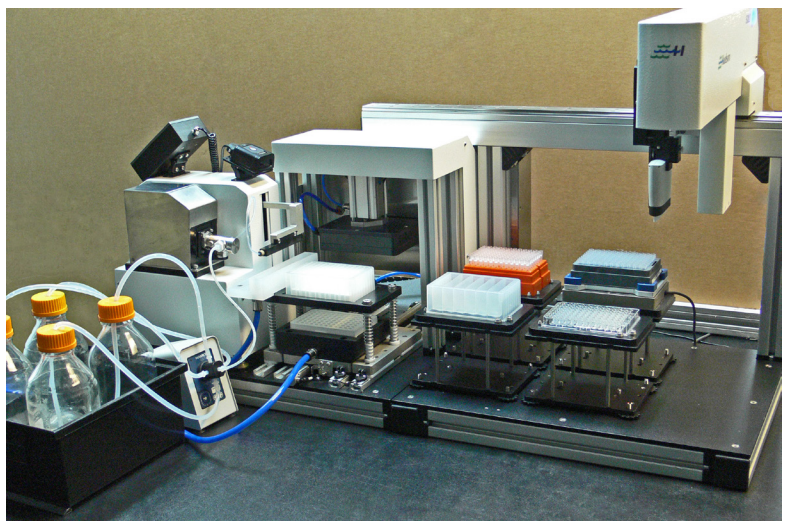
Hudson's Extraction and Purification Workcell represents the perfect solution for your demanding needs. It is a reliable, automated system to automate the tedious, error-prone tasks in your protocols, with the flexibility to support frequent changes in your process.

The SoftLinx lab automation software is used for building simple or complex application-based workcells and for data tracking, traceability, and auditability. SoftLinx lab automation software has software integration to over 200 3rd party lab instruments. Hudson's software team can write custom integrations as needed.

Our unique combination of ease-of-use and flexibility is reflected in the system's user interface. Advanced users can create complex plug-ins that convert our workstations into customized research tools. Alternatively, Hudson-developed software wizards use simple graphics to lead the neophyte through the setup and implementation of the system. The SoftLinx Player with Guided Operations (GO) technology provides technicians with pictures and a task list to easily run protocols they may never have seen before.

Extraction and Purification Automation

- Handles any ANSI SLAS-standard microplate including 96, 384, as well as deep well blocks, filter plates and tip boxes.
- Supports a wide variety of DNA/RNA and protein extraction protocols from bodily fluids, soils, plants and microbes.
- Filtration and purification can be by pressure-based filtration or magnetic bead-based separations.
- Small enough to fit into a standard laboratory hood.
- Plate stackers and robot arms are available
- All systems come with SoftLinx Scheduling software and the SoftLinx Player. SoftLinx is an easy to use, drag and drop control program. Users can quickly and easily create automated methods.

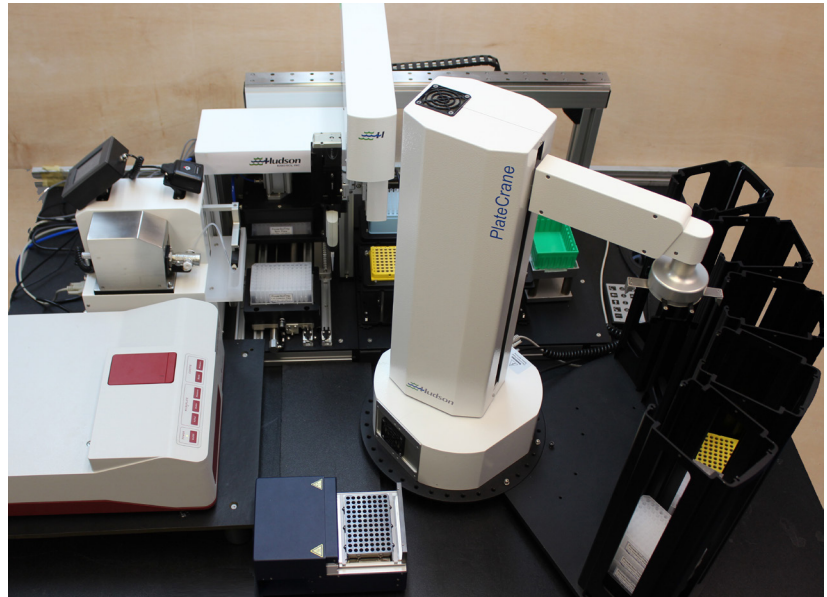


Extraction/Purification Workcell

Applications

Our Extraction/Purification Workcell can be used to automate any and all stages of typical protocols, or may be used for simple pipetting and dispensing tasks.

- DNA, RNA Extraction and Purification
- Plasmid MiniPrep
- Protein Purification
- Solid-phase Extractions of all kinds



Fully-Automated Extraction/Purification Workcell

Create a Greater Impact with Your Research

- Increase the throughput and volume of results you can achieve
- Free up your time for more challenging scientific tasks
- Greatly improve the consistency, accuracy and reliability of data vs. manual methods

These Optional Accessories are available:

- Automated Magnetic Bead Nests
- Heating/Cooling Nests
- Orbital/Oscillating Shaker Nests
- Automated Colony-Picking and Re-Arraying
- 2, 4, 6, 8, or 10-way Reagent Valve

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