



CPA200 semi-automated puncher

Excellent punching accuracy and sample traceability with the CPA200 instrument

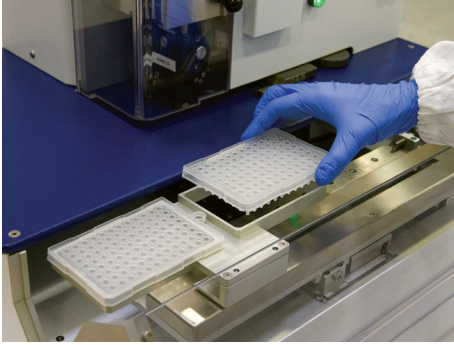
The Applied Biosystems™ Card Processing Automation 200™ (CPA200™) instrument is a semi-automated puncher designed to process human blood or saliva samples, collected on filter paper or cards, in forensic and paternity laboratories.

The CPA200 instrument combines ease of use with full-sample traceability and integrity to help improve downstream results in low- and medium-throughput laboratories.

The instrument offers:

- High punching accuracy to help ensure the disk is delivered in the correct well, and to minimize cross-contamination issues
- Flexibility to process a variety of card shapes and dimensions
- Traceability of samples through barcode reading and camera control
- Integration into laboratory standard operating procedures (SOPs) and laboratory information management system (LIMS) with customizable, exportable files and reports

Punching accuracy



- Camera control of each well prior to and after punching
- Ionizer to remove static charge
- Vacuum system to remove debris from punching tool
- Cleaning punch functionality
- Laser targeting system to help the user select the best area for punching



Well without disk



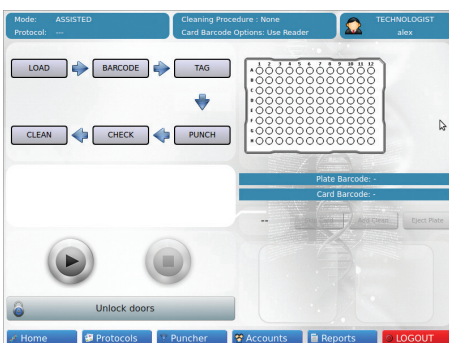
Well with disk

System flexibility



- Designed for framed and unframed cards
- Customizable number of cleaning strikes
- Reprocessing of cards already punched
- Option to add extra punches in wells already processed

Full traceability



- Plate and card barcode reading
- Real-time updates on plate status
- Exportable reports and files of completed plates
- Compatibility with Applied Biosystems™ 3130 and 3500 Genetic Analyzers
- Integration with laboratory network

Specifications and features

Supported card formats	All card formats are supported. Possibility to reprocess already-punched cards.
Processable sample types	Saliva and blood samples on both indicating and non-indicating cards, including Whatman™ FTA™ Cards and Bode Buccal DNA Collectors.
Processable plate types	All plate types with the exception of deep-well plates. Plate holder customization may be required. Maximum capacity: 2 plates (192 cards).
Available punch sizes	The CPA200 instrument has these standard punch configurations: 1.2 mm* 2.0 mm 3.0 mm 4.0 mm
Sample punching position	Framed cards: The user selects the punching position using the external laser pointer. The system will record the coordinates and punch automatically in the selected position. All other cards: The user selects the punching position using the internal laser pointer aiming at the punching site.
Cleaning procedure	Optimized protocol using framed NUCLEIC-CARD™ matrix with cleaning area: First cleaning punch performed automatically; possibility to repeat using the same cleaning area using the external laser pointer. All other cards: Cleaning procedure can be performed using a cleaning card or on a blank area of the processing card using either the external or internal laser pointer. Customizable number of cleaning punches.
Camera features and imaging	Model: IDS Direct XS; resolution: 2,592 (H) x 1,944 (V). Sample presence control: Automatic comparison between the well picture before punching (well normally empty) and well picture after punching (well normally full) to confirm presence of punched disk(s). Image storage: All acquired images are saved into a dedicated directory accessible by the user.
Physical dimensions	610 x 545 x 675 mm (L x W x H); weight: 85 kg
Hardware and software	Model ASEM HT2000-TF/S1: LCD TFT 10.4" 4:3, 10.4" touch screen, Intel™ Atom™ dual core D2550 1.86 GHz, 1 GB RAM. Linux™ Ubuntu™ operating system. Peripherals: 10.4" touch screen, keyboard, mouse, USB (2). Ability to connect keyboard with the language and layout chosen by the user.
Exportable files	The instrument can be integrated into LIMS systems for import and export of files. The instrument can export files in .txt format suitable for 3130 and 3500 Genetic Analyzers and can export reports as PDF files.
Main power requirements	400 W (peak) electrical power; 208–240 VAC main supply voltage; 50/60 Hz frequency. Integration with voltage transformer for 100–120 VAC main supply voltage.
Overvoltage category	2
Pollution degree	2

* All CPA200 instruments come with 1.2 mm punch sizes by default.

Ordering information

Product	Cat. No.
CPA200 instrument	A34329

Find out more at thermofisher.com/samplepuncher

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