

RELEASE NOTES

Applied Biosystems™ RapidHIT™ 200 System Software v2.3.15

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OVERVIEW

The Applied Biosystems RapidHIT™ 200 System (RH-200) Software is a fully automated sample-to-answer system for Short Tandem Repeat (STR) based Human Identification (HID). RH-200 reagents are self-contained and disposable in single-use cartridges. The RH-200 uses two self-contained sample cartridges simultaneously to process from one to eight samples. Once a run is started, all processes are managed on the instrument without user interaction.

During a run, the system performs a variety of functions including cell lysis, DNA isolation, polymerase chain reaction (PCR) amplification, and electrophoretic separation. Following sample processing, the software automatically analyzes the data created during the run and generates the DNA profile information. The RH-200 System delivers reliable, high-quality data suitable for forensic DNA applications.

SOFTWARE FEATURES

RH-200 System Software contains the features and functionality in previous software versions and is also compatible with Windows™ 10 IoT 2019 LTSC OS.

DEFECT FIXES

The following table highlights defect fixes that were introduced in RH-200 software v2.3.15.

Software version	Description
2.3.15	<ul style="list-style-type: none"> Seven virtual bins were removed from the GlobalFiler Express (GFE) panel file to correct a system migration issue and improve genotyping accuracy. Virtual bins were removed for the following markers: D3S1358, D8S1179, D19S433 D5S818. Unnecessary log messages were removed and logging with the PremixLoad was modified. The Prime and pump script includes the optional bolus detect. The service script now asks the operator whether or not to measure the bolus inducing a low voltage during the pumping. The voltage graphs on the GUI visibly display the current being measured to see if bolus detection is working as expected for the capillary board in question.

KNOWN ISSUES

RH200 v2.3.15 contains a known issue for sample cartridge expiration. The system will not allow a user to run a cartridge on the last day of the expiration. The day prior to the sample cartridge expiration date listed is the last time a user can successfully run a cartridge.

SOFTWARE UPGRADE

To obtain software v2.3.15, download the package from the Rapid Software Downloads page:

<https://www.thermofisher.com/us/en/home/technical-resources/software-downloads/rapid-software.html>,

launch the installer and follow the prompts to upgrade the system to v2.3.15.

Note: For customers who need to review existing run data that may be impacted by incorrect allelic ladder binning due to size standard migration issues, *Rapid Run Review Utility* can also be downloaded from the Rapid Software Downloads page using the link above. For additional information about this utility, refer to the customer communication.

LEGAL STATEMENTS

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