RELEASE NOTES

Applied Biosystems™ RapidHIT™ ID System Software v1.3.1

MAN0019768

TABLE OF CONTENTS

OVERVIEW

The Applied Biosystems RapidHIT ID System is a fast and simple-to-use instrument that produces trusted lab-quality forensic DNA profiles in 90 minutes. The system integrates sample preparation and capillary electrophoresis to generate DNA profiles that are aggregated within Applied Biosystems RapidLINK Software for direct upload to the database of choice or for further review and analysis.

The RapidHIT ID System delivers the reliable, reproducible, high-quality data you have come to expect from the Applied Biosystems brand. This system is for use with Applied Biosystems RapidLINK Software and its applications.

- Fast 90-minute system run time
- 1-minute hands-on time with integrated sample cartridge
- Consumables tracking through radio frequency identification (RFID)
- Intuitive touchscreen interface
- Facial recognition and barcode camera
- Fingerprint reader
- Up to six months of on-instrument time for the primary cartridge with refrigeration mechanism
- Up to eight months storage for sample cartridges stored at 4C
- Expert system-capable for Applied Biosystems™ RapidHIT ID ACE GlobalFiler Express
- Support for Applied Biosystems™ Rapid INTEL Cartridges including samples and controls
- Support for Applied Biosystems™ RapidHIT ID NGM SElect Express Cartridges including samples, controls and allelic ladder
- Compatible with the on-market latest RapidLINK™ Software v1.1.5

SPECIAL CONSIDERATIONS

- Sample Naming Caution:
  - When entering a sample name on the instrument, **DO NOT** use the following character strings (upper or lower case or any mix of both) within the sample name or the sample will not be processed:
    - "ladder"
    - "posctrl"
    - "negctrl"

NEW FEATURES
Introduced since the release of v1.1.3

- Support for NDIS Expert System approved thresholds for Applied Biosystems™ RapidHIT ID ACE GlobalFiler Express Cartridges
- Compatible with Windows 10 OS -New Instrument Firmware V79
- Addressed on market issues
  - Added pattern analysis functionality, outside of GeneMarker, to more accurately evaluate allelic ladder run status.
  - Ability to successfully eject and replace an expired primary cartridge
  - Resolved an issue where instruments were showing a temperature/humidity sensor error
  - Facial recognition and Fingerprint user settings successfully restored post upgrade
  - The software only allows users with Admin privileges to change the date, time, and timezone of the instrument.
  - Resolved instrument issues where runs appear frozen in an "In Progress" state or duplicate runs are created in RapidLINK
  - Resolved an issue where the instrument allowed users to perform one run after the primary cartridge was expired. With this version, the user is prompted to replace the primary cartridge upon expiration, before inserting a cartridge
- For NGMSElect Express Kit,
  - Enabled systematic ladder library for NGM SElect Express workflow to improve genotyping accuracy
  - The stutter threshold for D1S1656 was corrected to reflect 20% instead of 1%
  - New allelic ladder run conditions designed to model sample runs, promoting better ladder-sample migration pattern matching

END USER LICENSE AGREEMENT

You must agree to the terms of the End User License Agreement before installing or using the software.

SOFTWARE UPDATE INSTALLATION INSTRUCTIONS

Software updates to Applied Biosystems RapidHIT ID System Software requires a Thermo Fisher Scientific employee at this time.
- System software must be updated to latest software:
  - (System software) Applied Biosystems RapidHIT ID System Software v1.3.1
  - Password change will be required at first login to enhance system security.

  Contact your local Thermo Fisher Scientific service and support or sales representative to coordinate this software update.

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03 November 2020