

| Manufacturer Disclosure Statement for Medical Device Security -- MDS2 | | | |
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| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
| Question ID | Question | | See note |
| DOC-1 | Manufacturer Name | BioFire Diagnostics, LLC | |
| DOC-2 | Device Description | <p>The BIOFIRE® FILMARRAY® TORCH is an automated in vitro diagnostic (IVD) device intended for use with FDA-cleared or approved IVD BIOFIRE® FILMARRAY® Panels. The BIOFIRE TORCH is intended for use in combination with assay specific reagent pouches to detect multiple nucleic acid targets contained in clinical specimens. The BIOFIRE TORCH interacts with the reagent pouch to both purify nucleic acids and amplify targeted nucleic acid sequences using nested multiplex PCR (nmPCR) in a closed system. The resulting PCR products are evaluated using DNA melting analysis. The BIOFIRE TORCH Software automatically determines the results and provides a test report.</p> <p>The BIOFIRE TORCH is composed of one to twelve BIOFIRE TORCH Modules connected to a BIOFIRE TORCH System Base running BIOFIRE TORCH Software. The BIOFIRE TORCH System Base houses up to two BIOFIRE TORCH Modules. Up to five BIOFIRE TORCH Duplex Module enclosures, each capable of housing up to two additional BIOFIRE TORCH Modules, may be added on top of the BIOFIRE TORCH System Base. Each BIOFIRE TORCH Module can be randomly and independently accessed to run a reagent pouch. The BIOFIRE TORCH software controls the function of each BIOFIRE TORCH Module and collects, analyzes, and stores data generated by each BIOFIRE TORCH Module.</p> <p>The BIOFIRE TORCH System, hereafter referred to as the "System," is designed to run as a standalone device, but includes optional network-connected features. See DOC-6.</p> | |
| DOC-3 | Device Model | BIOFIRE® FILMARRAY® TORCH | |
| DOC-4 | Document ID | HTFA-PRT-0054-05 | |
| DOC-5 | Manufacturer Contact Information | <p>BIOFIRE Technical Support Email: Biofiresupport@biomerieux.com Phone: +1-801-736-6354, select Option 5</p> <p>The System is supported in a network-connected environment for purposes such as printing or archiving data to a network location. In addition, the System includes the following optional connectivity software features that can be enabled in a network-connected environment.</p> <p>The System can be configured to interface with a laboratory information system (LIS) to transfer test results from the System to the LIS (unidirectional) or to transfer data to and from the LIS (bidirectional), dependent on the selected configuration. This optional software feature requires a connection to the local area network (LAN) at the facility.</p> <p>The System can be configured to facilitate remote access for customer support activities. Additionally, with this configuration, the end-user can send data from the System to bioMérieux for troubleshooting. This optional software feature requires an Internet connection to pre-defined endpoints.</p> <p>The System can be configured to perform an encrypted outbound transfer of de-identified, aggregated System test data to a cloud-based epidemiology network that collects, compiles and displays test results from participating hospitals and laboratories across the globe. This optional software feature requires an Internet connection to a pre-defined endpoint.</p> | |
| DOC-6 | Intended use of device in network-connected environment: | | |
| DOC-7 | Document Release Date | 2/1/2022 | |
| DOC-8 | Coordinated Vulnerability Disclosure: Does the manufacturer have a vulnerability disclosure program for this device? | Yes | |
| DOC-9 | ISAO: Is the manufacturer part of an Information Sharing and Analysis Organization? | Yes | |
| DOC-10 | Diagram: Is a network or data flow diagram available that indicates connections to other system components or expected external resources? | Yes | |
| DOC-11 | SaMD: Is the device Software as a Medical Device (i.e. software-only, no hardware)? | No | |
| DOC-11.1 | Does the SaMD contain an operating system? | N/A | |
| DOC-11.2 | Does the SaMD rely on an owner/operator provided operating system? | N/A | |
| DOC-11.3 | Is the SaMD hosted by the manufacturer? | N/A | |
| DOC-11.4 | Is the SaMD hosted by the customer? | N/A | |
| | | Yes, No, N/A, or See Note | Note # |
| | MANAGEMENT OF PERSONALLY IDENTIFIABLE INFORMATION | | |
| MPII-1 | Can this device display, transmit, store, or modify personally identifiable information (e.g. electronic Protected Health Information (ePHI))? | See Notes | Note 1 |
| MPII-2 | Does the device maintain personally identifiable information? | See Notes | Note 2 |
| MPII-2.1 | Does the device maintain personally identifiable information temporarily in volatile memory (i.e., until cleared by power-off or reset)? | No | |

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|--------------------------|--|------------------|------------|
| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
| MPII-2.2 | Does the device store personally identifiable information persistently on internal media? | See Notes | Note 3 |
| MPII-2.3 | Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? | See Notes | Note 4 |
| MPII-2.4 | Does the device store personally identifiable information in a database? | See Notes | Note 5 |
| MPII-2.5 | Does the device allow configuration to automatically delete local personally identifiable information after it is stored to a long term solution? | See Notes | Note 6 |
| MPII-2.6 | Does the device import/export personally identifiable information with other systems (e.g., a wearable monitoring device might export personally identifiable information to a server)? | See Notes | Note 7 |
| MPII-2.7 | Does the device maintain personally identifiable information when powered off, or during power service interruptions? | See Notes | Note 8 |
| MPII-2.8 | Does the device allow the internal media to be removed by a service technician (e.g., for separate destruction or customer retention)? | Yes | |
| MPII-2.9 | Does the device allow personally identifiable information records be stored in a separate location from the device's operating system (i.e. secondary internal drive, alternate drive partition, or remote storage location)? | See Notes | Note 9 |
| MPII-3 | Does the device have mechanisms used for the transmitting, importing/exporting of personally identifiable information? | See Notes | Note 10 |
| MPII-3.1 | Does the device display personally identifiable information (e.g., video display, etc.)? | See Notes | Note 11 |
| MPII-3.2 | Does the device generate hardcopy reports or images containing personally identifiable information? | See Notes | Note 12 |
| MPII-3.3 | Does the device retrieve personally identifiable information from or record personally identifiable information to removable media (e.g., removable-HDD, USB memory, DVD-R/RW, CD-R/RW, tape, CF/SD card, memory stick, etc.)? | See Notes | Note 13 |
| MPII-3.4 | Does the device transmit/receive or import/export personally identifiable information via dedicated cable connection (e.g., RS-232, RS-423, USB, FireWire, etc.)? | See Notes | Note 14 |
| MPII-3.5 | Does the device transmit/receive personally identifiable information via a wired network connection (e.g., RJ45, fiber optic, etc.)? | See Notes | Note 15 |
| MPII-3.6 | Does the device transmit/receive personally identifiable information via a wireless network connection (e.g., WiFi, Bluetooth, NFC, infrared, cellular, etc.)? | No | |
| MPII-3.7 | Does the device transmit/receive personally identifiable information over an external network (e.g., Internet)? | See Notes | Note 16 |
| MPII-3.8 | Does the device import personally identifiable information via scanning a document? | No | |
| MPII-3.9 | Does the device transmit/receive personally identifiable information via a proprietary protocol? | No | |
| MPII-3.10 | Does the device use any other mechanism to transmit, import or export personally identifiable information? | No | |
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| | AUTOMATIC LOGOFF (ALOF) | | |
| | <i>The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of time.</i> | | |
| ALOF-1 | Can the device be configured to force reauthorization of logged-in user(s) after a predetermined length of inactivity (e.g., auto-logoff, session lock, password protected screen saver)? | No | |
| ALOF-2 | Is the length of inactivity time before auto-logoff/screen lock user or administrator configurable? | N/A | |
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| | AUDIT CONTROLS (AUDT) | | |
| | <i>The ability to reliably audit activity on the device.</i> | | |
| AUDT-1 | Can the medical device create additional audit logs or reports beyond standard operating system logs? | No | |
| AUDT-1.1 | Does the audit log record a USER ID? | N/A | |
| AUDT-1.2 | Does other personally identifiable information exist in the audit trail? | N/A | |
| AUDT-2 | Are events recorded in an audit log? If yes, indicate which of the following events are recorded in the audit log: | N/A | |
| AUDT-2.1 | Successful login/logout attempts? | N/A | |
| AUDT-2.2 | Unsuccessful login/logout attempts? | N/A | |
| AUDT-2.3 | Modification of user privileges? | N/A | |
| AUDT-2.4 | Creation/modification/deletion of users? | N/A | |
| AUDT-2.5 | Presentation of clinical or PII data (e.g. display, print)? | N/A | |
| AUDT-2.6 | Creation/modification/deletion of data? | N/A | |
| AUDT-2.7 | Import/export of data from removable media (e.g. USB drive, external hard drive, DVD)? | N/A | |
| AUDT-2.8 | Receipt/transmission of data or commands over a network or point-to-point connection? | N/A | |
| AUDT-2.8.1 | Remote or on-site support? | N/A | |
| AUDT-2.8.2 | Application Programming Interface (API) and similar activity? | N/A | |
| AUDT-2.9 | Emergency access? | N/A | |
| AUDT-2.10 | Other events (e.g., software updates)? | N/A | |
| AUDT-2.11 | Is the audit capability documented in more detail? | N/A | |
| AUDT-3 | Can the owner/operator define or select which events are recorded in the audit log? | N/A | |

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|--------------------------|---|------------------|------------|
| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
| AUDT-4 | Is a list of data attributes that are captured in the audit log for an event available? | N/A | |
| AUDT-4.1 | Does the audit log record date/time? | N/A | |
| AUDT-4.1.1 | Can date and time be synchronized by Network Time Protocol (NTP) or equivalent time source? | N/A | |
| AUDT-5 | Can audit log content be exported? | N/A | |
| AUDT-5.1 | Via physical media? | N/A | |
| AUDT-5.2 | Via IHE Audit Trail and Node Authentication (ATNA) profile to SIEM? | N/A | |
| AUDT-5.3 | Via Other communications (e.g., external service device, mobile applications)? | N/A | |
| AUDT-5.4 | Are audit logs encrypted in transit or on storage media? | N/A | |
| AUDT-6 | Can audit logs be monitored/reviewed by owner/operator? | N/A | |
| AUDT-7 | Are audit logs protected from modification? | N/A | |
| AUDT-7.1 | Are audit logs protected from access? | N/A | |
| AUDT-8 | Can audit logs be analyzed by the device? | N/A | |
| | AUTHORIZATION (AUTH) | | |
| | <i>The ability of the device to determine the authorization of users.</i> | | |
| AUTH-1 | Does the device prevent access to unauthorized users through user login requirements or other mechanism? | See Notes | Note 17 |
| AUTH-1.1 | Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? | No | |
| AUTH-1.2 | Can the customer push group policies to the device (e.g., Active Directory)? | No | |
| AUTH-1.3 | Are any special groups, organizational units, or group policies required? | No | |
| AUTH-2 | Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)? | No | |
| AUTH-3 | Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? | See Notes | Note 18 |
| AUTH-4 | Does the device authorize or control all API access requests? | N/A | |
| AUTH-5 | Does the device run in a restricted access mode, or 'kiosk mode', by default? | No | |
| | CYBER SECURITY PRODUCT UPGRADES (CSUP) | | |
| | <i>The ability of on-site service staff, remote service staff, or authorized customer staff to install/upgrade device's security patches.</i> | | |
| CSUP-1 | Does the device contain any software or firmware which may require security updates during its operational life, either from the device manufacturer or from a third-party manufacturer of the software/firmware? If no, answer "N/A" to questions in this section. | Yes | |
| CSUP-2 | Does the device contain an Operating System? If yes, complete 2.1-2.4. | Yes | |
| CSUP-2.1 | Does the device documentation provide instructions for owner/operator installation of patches or software updates? | See Notes | Note 19 |
| CSUP-2.2 | Does the device require vendor or vendor-authorized service to install patches or software updates? | No | |
| CSUP-2.3 | Does the device have the capability to receive remote installation of patches or software updates? | See Notes | Note 20 |
| CSUP-2.4 | Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer? | See Notes | Note 21 |
| CSUP-3 | Does the device contain Drivers and Firmware? If yes, complete 3.1-3.4. | Yes | |
| CSUP-3.1 | Does the device documentation provide instructions for owner/operator installation of patches or software updates? | See Notes | Note 22 |
| CSUP-3.2 | Does the device require vendor or vendor-authorized service to install patches or software updates? | See Notes | Note 23 |
| CSUP-3.3 | Does the device have the capability to receive remote installation of patches or software updates? | No | |
| CSUP-3.4 | Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer? | See Notes | Note 24 |
| CSUP-4 | Does the device contain Anti-Malware Software? If yes, complete 4.1-4.4. | Yes | |
| CSUP-4.1 | Does the device documentation provide instructions for owner/operator installation of patches or software updates? | See Notes | Note 25 |
| CSUP-4.2 | Does the device require vendor or vendor-authorized service to install patches or software updates? | No | |
| CSUP-4.3 | Does the device have the capability to receive remote installation of patches or software updates? | No | |
| CSUP-4.4 | Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer? | See Notes | Note 26 |
| CSUP-5 | Does the device contain Non-Operating System commercial off-the-shelf components? If yes, complete 5.1-5.4. | Yes | |
| CSUP-5.1 | Does the device documentation provide instructions for owner/operator installation of patches or software updates? | No | |
| CSUP-5.2 | Does the device require vendor or vendor-authorized service to install patches or software updates? | Yes | |

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|--------------------------|--|------------------|------------|
| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
| CSUP-5.3 | Does the device have the capability to receive remote installation of patches or software updates? | See Notes | Note 27 |
| CSUP-5.4 | Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer? | No | |
| CSUP-6 | Does the device contain other software components (e.g., asset management software, license management)? If yes, please provide details or reference in notes and complete 6.1-6.4. | No | |
| CSUP-6.1 | Does the device documentation provide instructions for owner/operator installation of patches or software updates? | N/A | |
| CSUP-6.2 | Does the device require vendor or vendor-authorized service to install patches or software updates? | N/A | |
| CSUP-6.3 | Does the device have the capability to receive remote installation of patches or software updates? | N/A | |
| CSUP-6.4 | Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer? | N/A | |
| CSUP-7 | Does the manufacturer notify the customer when updates are approved for installation? | Yes | |
| CSUP-8 | Does the device perform automatic installation of software updates? | No | |
| CSUP-9 | Does the manufacturer have an approved list of third-party software that can be installed on the device? | No | |
| CSUP-10 | Can the owner/operator install manufacturer-approved third-party software on the device themselves? | N/A | |
| CSUP-10.1 | Does the system have mechanism in place to prevent installation of unapproved software? | N/A | |
| CSUP-11 | Does the manufacturer have a process in place to assess device vulnerabilities and updates? | Yes | |
| CSUP-11.1 | Does the manufacturer provide customers with review and approval status of updates? | No | |
| CSUP-11.2 | Is there an update review cycle for the device? | Yes | |
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| | HEALTH DATA DE-IDENTIFICATION (DIDT) | | |
| | <i>The ability of the device to directly remove information that allows identification of a person.</i> | | |
| DIDT-1 | Does the device provide an integral capability to de-identify personally identifiable information? | See Notes | Note 28 |
| DIDT-1.1 | Does the device support de-identification profiles that comply with the DICOM standard for de-identification? | N/A | |
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| | DATA BACKUP AND DISASTER RECOVERY (DTBK) | | |
| | <i>The ability to recover after damage or destruction of device data, hardware, software, or site configuration information.</i> | | |
| DTBK-1 | Does the device maintain long term primary storage of personally identifiable information / patient information (e.g. PACS)? | See Notes | Note 29 |
| DTBK-2 | Does the device have a "factory reset" function to restore the original device settings as provided by the manufacturer? | No | |
| DTBK-3 | Does the device have an integral data backup capability to removable media? | No | |
| DTBK-4 | Does the device have an integral data backup capability to remote storage? | No | |
| DTBK-5 | Does the device have a backup capability for system configuration information, patch restoration, and software restoration? | No | |
| DTBK-6 | Does the device provide the capability to check the integrity and authenticity of a backup? | No | |
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| | EMERGENCY ACCESS (EMRG) | | |
| | <i>The ability of the device user to access personally identifiable information in case of a medical emergency situation that requires immediate access to stored personally identifiable information.</i> | | |
| EMRG-1 | Does the device incorporate an emergency access (i.e. "break-glass") feature? | N/A | |
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| | HEALTH DATA INTEGRITY AND AUTHENTICITY (IGAU) | | |
| | <i>How the device ensures that the stored data on the device has not been altered or destroyed in a non-authorized manner and is from the originator.</i> | | |
| IGAU-1 | Does the device provide data integrity checking mechanisms of stored health data (e.g., hash or digital signature)? | No | |
| IGAU-2 | Does the device provide error/failure protection and recovery mechanisms for stored health data (e.g., RAID-5)? | No | |
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| | MALWARE DETECTION/PROTECTION (MLDP) | | |
| | <i>The ability of the device to effectively prevent, detect and remove malicious software (malware).</i> | | |
| MLDP-1 | Is the device capable of hosting executable software? | Yes | |

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| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
| MLDP-2 | Does the device support the use of anti-malware software (or other anti-malware mechanism)? Provide details or reference in notes. | Yes | |
| MLDP-2.1 | Does the device include anti-malware software by default? | Yes | |
| MLDP-2.2 | Does the device have anti-malware software available as an option? | No | |
| MLDP-2.3 | Does the device documentation allow the owner/operator to install or update anti-malware software? | No | |
| MLDP-2.4 | Can the device owner/operator independently (re-)configure anti-malware settings? | No | |
| MLDP-2.5 | Does notification of malware detection occur in the device user interface? | No | |
| MLDP-2.6 | Can only manufacturer-authorized persons repair systems when malware has been detected? | See Notes | Note 30 |
| MLDP-2.7 | Are malware notifications written to a log? | See Notes | Note 31 |
| MLDP-2.8 | Are there any restrictions on anti-malware (e.g., purchase, installation, configuration, scheduling)? | Yes | |
| MLDP-3 | If the answer to MLDP-2 is NO, and anti-malware cannot be installed on the device, are other compensating controls in place or available? | N/A | |
| MLDP-4 | Does the device employ application whitelisting that restricts the software and services that are permitted to be run on the device? | No | |
| MLDP-5 | Does the device employ a host-based intrusion detection/prevention system? | No | |
| MLDP-5.1 | Can the host-based intrusion detection/prevention system be configured by the customer? | N/A | |
| MLDP-5.2 | Can a host-based intrusion detection/prevention system be installed by the customer? | See Notes | Note 32 |
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| | NODE AUTHENTICATION (NAUT) | | |
| | <i>The ability of the device to authenticate communication partners/nodes.</i> | | |
| NAUT-1 | Does the device provide/support any means of node authentication that assures both the sender and the recipient of data are known to each other and are authorized to receive transferred information (e.g. Web APIs, SMTP, SNMP)? | See Notes | Note 33 |
| NAUT-2 | Are network access control mechanisms supported (E.g., does the device have an internal firewall, or use a network connection white list)? | Yes | |
| NAUT-2.1 | Is the firewall ruleset documented and available for review? | No | |
| NAUT-3 | Does the device use certificate-based network connection authentication? | See Notes | Note 34 |
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| | CONNECTIVITY CAPABILITIES (CONN) | | |
| | <i>All network and removable media connections must be considered in determining appropriate security controls. This section lists connectivity capabilities that may be present on the device.</i> | | |
| CONN-1 | Does the device have hardware connectivity capabilities? | See Notes | Note 35 |
| CONN-1.1 | Does the device support wireless connections? | No | |
| CONN-1.1.1 | Does the device support Wi-Fi? | No | |
| CONN-1.1.2 | Does the device support Bluetooth? | No | |
| CONN-1.1.3 | Does the device support other wireless network connectivity (e.g. LTE, Zigbee, proprietary)? | No | |
| CONN-1.1.4 | Does the device support other wireless connections (e.g., custom RF controls, wireless detectors)? | No | |
| CONN-1.2 | Does the device support physical connections? | Yes | |
| CONN-1.2.1 | Does the device have available RJ45 Ethernet ports? | Yes | |
| CONN-1.2.2 | Does the device have available USB ports? | See Notes | Note 36 |
| CONN-1.2.3 | Does the device require, use, or support removable memory devices? | See Notes | Note 37 |
| CONN-1.2.4 | Does the device support other physical connectivity? | No | |
| CONN-2 | Does the manufacturer provide a list of network ports and protocols that are used or may be used on the device? | Yes | |
| CONN-3 | Can the device communicate with other systems within the customer environment? | See Notes | Note 38 |
| CONN-4 | Can the device communicate with other systems external to the customer environment (e.g., a service host)? | See Notes | Note 39 |
| CONN-5 | Does the device make or receive API calls? | See Notes | Note 40 |
| CONN-6 | Does the device require an internet connection for its intended use? | No | |
| CONN-7 | Does the device support Transport Layer Security (TLS)? | Yes | |
| CONN-7.1 | Is TLS configurable? | No | |
| CONN-8 | Does the device provide operator control functionality from a separate device (e.g., telemedicine)? | No | |
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| | PERSON AUTHENTICATION (PAUT) | | |
| | <i>The ability to configure the device to authenticate users.</i> | | |
| PAUT-1 | Does the device support and enforce unique IDs and passwords for all users and roles (including service accounts)? | No | |
| PAUT-1.1 | Does the device enforce authentication of unique IDs and passwords for all users and roles (including service accounts)? | N/A | |

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|--------------------------|---|------------------|------------|
| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
| PAUT-2 | Is the device configurable to authenticate users through an external authentication service (e.g., MS Active Directory, NDS, LDAP, OAuth, etc.)? | No | |
| PAUT-3 | Is the device configurable to lock out a user after a certain number of unsuccessful logon attempts? | No | |
| PAUT-4 | Are all default accounts (e.g., technician service accounts, administrator accounts) listed in the documentation? | No | |
| PAUT-5 | Can all passwords be changed? | No | |
| PAUT-6 | Is the device configurable to enforce creation of user account passwords that meet established (organization specific) complexity rules? | No | |
| PAUT-7 | Does the device support account passwords that expire periodically? | No | |
| PAUT-8 | Does the device support multi-factor authentication? | No | |
| PAUT-9 | Does the device support single sign-on (SSO)? | No | |
| PAUT-10 | Can user accounts be disabled/locked on the device? | No | |
| PAUT-11 | Does the device support biometric controls? | No | |
| PAUT-12 | Does the device support physical tokens (e.g. badge access)? | No | |
| PAUT-13 | Does the device support group authentication (e.g. hospital teams)? | No | |
| PAUT-14 | Does the application or device store or manage authentication credentials? | Yes | |
| PAUT-14.1 | Are credentials stored using a secure method? | Yes | |
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| | PHYSICAL LOCKS (PLOK) | | |
| | <i>Physical locks can prevent unauthorized users with physical access to the device from compromising the integrity and confidentiality of personally identifiable information stored on the device or on removable media</i> | | |
| PLOK-1 | Is the device software only? If yes, answer "N/A" to remaining questions in this section. | No | |
| PLOK-2 | Are all device components maintaining personally identifiable information (other than removable media) physically secure (i.e., cannot remove without tools)? | See Notes | Note 41 |
| PLOK-3 | Are all device components maintaining personally identifiable information (other than removable media) physically secured behind an individually keyed locking device? | See Notes | Note 42 |
| PLOK-4 | Does the device have an option for the customer to attach a physical lock to restrict access to removable media? | No | |
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| | ROADMAP FOR THIRD PARTY COMPONENTS IN DEVICE LIFE CYCLE (RDMP) | | |
| | <i>Manufacturer's plans for security support of third-party components within the device's life cycle.</i> | | |
| RDMP-1 | Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? | See Notes | Note 43 |
| RDMP-2 | Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? | Yes | |
| RDMP-3 | Does the manufacturer maintain a web page or other source of information on software support dates and updates? | Yes | |
| RDMP-4 | Does the manufacturer have a plan for managing third-party component end-of-life? | Yes | |
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| | SOFTWARE BILL OF MATERIALS (SBOM) | | |
| | <i>A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section.</i> | | |
| SBOM-1 | Is the SBOM for this product available? | No | |
| SBOM-2 | Does the SBOM follow a standard or common method in describing software components? | N/A | |
| SBOM-2.1 | Are the software components identified? | N/A | |
| SBOM-2.2 | Are the developers/manufacturers of the software components identified? | N/A | |
| SBOM-2.3 | Are the major version numbers of the software components identified? | N/A | |
| SBOM-2.4 | Are any additional descriptive elements identified? | N/A | |
| SBOM-3 | Does the device include a command or process method available to generate a list of software components installed on the device? | No | |
| SBOM-4 | Is there an update process for the SBOM? | N/A | |
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| | SYSTEM AND APPLICATION HARDENING (SAHD) | | |
| | <i>The device's inherent resistance to cyber attacks and malware.</i> | | |
| SAHD-1 | Is the device hardened in accordance with any industry standards? | No | |
| SAHD-2 | Has the device received any cybersecurity certifications? | No | |
| SAHD-3 | Does the device employ any mechanisms for software integrity checking? | No | |

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| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
| SAHD-3.1 | Does the device employ any mechanism (e.g., release-specific hash key, checksums, digital signature, etc.) to ensure the installed software is manufacturer-authorized? | See Notes | Note 44 |
| SAHD-3.2 | Does the device employ any mechanism (e.g., release-specific hash key, checksums, digital signature, etc.) to ensure the software updates are the manufacturer-authorized updates? | No | |
| SAHD-4 | Can the owner/operator perform software integrity checks (i.e., verify that the system has not been modified or tampered with)? | No | |
| SAHD-5 | Is the system configurable to allow the implementation of file-level, patient level, or other types of access controls? | No | |
| SAHD-5.1 | Does the device provide role-based access controls? | No | |
| SAHD-6 | Are any system or user accounts restricted or disabled by the manufacturer at system delivery? | See Notes | Note 45 |
| SAHD-6.1 | Are any system or user accounts configurable by the end user after initial configuration? | No | |
| SAHD-6.2 | Does this include restricting certain system or user accounts, such as service technicians, to least privileged access? | No | |
| SAHD-7 | Are all shared resources (e.g., file shares) which are not required for the intended use of the device disabled? | N/A | |
| SAHD-8 | Are all communication ports and protocols that are not required for the intended use of the device disabled? | See Notes | Note 46 |
| SAHD-9 | Are all services (e.g., telnet, file transfer protocol [FTP], internet information server [IIS], etc.), which are not required for the intended use of the device deleted/disabled? | No | |
| SAHD-10 | Are all applications (COTS applications as well as OS-included applications, e.g., MS Internet Explorer, etc.) which are not required for the intended use of the device deleted/disabled? | No | |
| SAHD-11 | Can the device prohibit boot from uncontrolled or removable media (i.e., a source other than an internal drive or memory component)? | No | |
| SAHD-12 | Can unauthorized software or hardware be installed on the device without the use of physical tools? | Yes | |
| SAHD-13 | Does the product documentation include information on operational network security scanning by users? | No | |
| SAHD-14 | Can the device be hardened beyond the default provided state? | See Notes | Note 47 |
| SAHD-14.1 | Are instructions available from vendor for increased hardening? | See Notes | Note 48 |
| SHAD-15 | Can the system prevent access to BIOS or other bootloaders during boot? | Yes | |
| SAHD-16 | Have additional hardening methods not included in 2.3.19 been used to harden the device? | See Notes | Note 49 |
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| | SECURITY GUIDANCE (SGUD) | | |
| | <i>Availability of security guidance for operator and administrator of the device and manufacturer sales and service.</i> | | |
| SGUD-1 | Does the device include security documentation for the owner/operator? | Yes | |
| SGUD-2 | Does the device have the capability, and provide instructions, for the permanent deletion of data from the device or media? | No | |
| SGUD-3 | Are all access accounts documented? | No | |
| SGUD-3.1 | Can the owner/operator manage password control for all accounts? | No | |
| SGUD-4 | Does the product include documentation on recommended compensating controls for the device? | No | |
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| | HEALTH DATA STORAGE CONFIDENTIALITY (STCF) | | |
| | <i>The ability of the device to ensure unauthorized access does not compromise the integrity and confidentiality of personally identifiable information stored on the device or removable media.</i> | | |
| STCF-1 | Can the device encrypt data at rest? | No | |
| STCF-1.1 | Is all data encrypted or otherwise protected? | See Notes | Note 50 |
| STCF-1.2 | Is the data encryption capability configured by default? | N/A | |
| STCF-1.3 | Are instructions available to the customer to configure encryption? | N/A | |
| STCF-2 | Can the encryption keys be changed or configured? | N/A | |
| STCF-3 | Is the data stored in a database located on the device? | Yes | |
| STCF-4 | Is the data stored in a database external to the device? | See Notes | Note 51 |
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| | TRANSMISSION CONFIDENTIALITY (TXCF) | | |
| | <i>The ability of the device to ensure the confidentiality of transmitted personally identifiable information.</i> | | |
| TXCF-1 | Can personally identifiable information be transmitted only via a point-to-point dedicated cable? | No | |
| TXCF-2 | Is personally identifiable information encrypted prior to transmission via a network or removable media? | See Notes | Note 52 |
| TXCF-2.1 | If data is not encrypted by default, can the customer configure encryption options? | N/A | |

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| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
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| TXCF-3 | Is personally identifiable information transmission restricted to a fixed list of network destinations? | No | |
| TXCF-4 | Are connections limited to authenticated systems? | See Notes | Note 53 |
| TXCF-5 | Are secure transmission methods supported/implemented (DICOM, HL7, IEEE 11073)? | See Notes | Note 54 |
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| | TRANSMISSION INTEGRITY (TXIG) | | |
| | <i>The ability of the device to ensure the integrity of transmitted data.</i> | | |
| TXIG-1 | Does the device support any mechanism (e.g., digital signatures) intended to ensure data is not modified during transmission? | See Notes | Note 55 |
| TXIG-2 | Does the device include multiple sub-components connected by external cables? | No | |
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| | REMOTE SERVICE (RMOT) | | |
| | <i>Remote service refers to all kinds of device maintenance activities performed by a service person via network or other remote connection.</i> | | |
| RMOT-1 | Does the device permit remote service connections for device analysis or repair? | See Notes | Note 56 |
| RMOT-1.1 | Does the device allow the owner/operator to initiate remote service sessions for device analysis or repair? | No | |
| RMOT-1.2 | Is there an indicator for an enabled and active remote session? | See Notes | Note 57 |
| RMOT-1.3 | Can patient data be accessed or viewed from the device during the remote session? | See Notes | Note 58 |
| RMOT-2 | Does the device permit or use remote service connections for predictive maintenance data? | See Notes | Note 59 |
| RMOT-3 | Does the device have any other remotely accessible functionality (e.g. software updates, remote training)? | See Notes | Note 60 |
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| | OTHER SECURITY CONSIDERATIONS (OTHR) | | |
| | NONE | | |
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| | Notes: | | |
| Note 1 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information is displayed and stored on the System. As an optional feature, the System may be configured to transmit such information.</p> | | |
| Note 2 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information is maintained on the System.</p> | | |

| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
|--------------------------|---|------------------|------------|
| Note 3 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information is stored on internal media within the System.</p> | | |
| Note 4 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information is preserved in the System's non-volatile memory until explicitly erased.</p> | | |
| Note 5 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information is stored in a database within the System.</p> | | |
| Note 6 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be deleted by the software. As an optional feature, the System may be configured to transmit such information.</p> | | |
| Note 7 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be imported/exported with other systems via configuration of optional connectivity features.</p> | | |

| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
|--------------------------|---|------------------|------------|
| Note 8 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be maintained when powered off, or during power service interruptions.</p> | | |
| Note 9 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be stored in a separate location from the System's operating system.</p> | | |
| Note 10 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, the System does have mechanisms used for transmitting and importing/exporting such information.</p> | | |
| Note 11 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information is displayed by the System.</p> | | |
| Note 12 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be contained on generated hard copy reports or images.</p> | | |

| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
|--------------------------|--|------------------|------------|
| Note 13 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be retrieved from or recorded to removable media.</p> | | |
| Note 14 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be transmitted/received or imported/exported via dedicated cable connection.</p> | | |
| Note 15 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be transmitted/received via a wired network connection.</p> | | |
| Note 16 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, such information may be transmitted/received over an external network if the System is configured with an optional connectivity feature.</p> | | |
| Note 17 | <p>The System is pre-configured to log on to Windows using the FilmArray user account automatically. The FilmArray user account is a Windows Standard User with its equivalent access rights. The System computer is also pre-configured with an administrative user account (LabAdmin). It is recommended the System owner/operator change the default password for the LabAdmin user account as the account has local administrative privileges.</p> | | |
| Note 18 | <p>The System is operated using a Windows Operating System User Account that does not have administrative privileges. Configuration changes require administrative privileges using an administrative Windows user account pre-configured on the computer.</p> | | |
| Note 19 | <p>Instructions for the owner/operator installation of Operating System patches are within BFR0001-6037 Microsoft OS Patch Policy Tech Note.</p> | | |

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| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
| Note 20 | Manual instructions for the owner/operator installation of Operating System patches are within BFR0001-6037 Microsoft OS Patch Policy Tech Note. If optional connectivity features are enabled, the System has the capability to receive remote installation of patches or software updates. | | |
| Note 21 | The recommended installation process for updates from third party manufactures (e.g. Microsoft) is available within BFR0001-6037 Microsoft OS Patch Policy Tech Note. | | |
| Note 22 | Documentation for Driver and Firmware patches or updates, if required, will be distributed by bioMérieux's BIOFIRE Technical Support team. | | |
| Note 23 | Vendor authorized service is required for most firmware updates. Driver update or patches may be installed by the owner/operator. | | |
| Note 24 | The recommended installation process for updates from third party manufactures (e.g. Microsoft) is available within BFR0001-6037 Microsoft OS Patch Policy Tech Note. | | |
| Note 25 | Instructions for the owner/operator installation of Anti-Malware Software patches are within BFR0001-6037 Microsoft OS Patch Policy Tech Note. | | |
| Note 26 | The recommended installation process for updates from third party manufactures (e.g. Microsoft) is available within BFR0001-6037 Microsoft OS Patch Policy Tech Note. | | |
| Note 27 | If optional connectivity features are enabled, the System has the capability to receive remote installation of patches or software updates for Non-Operating System commercial off-the-shelf components. | | |
| Note 28 | <p>The following data fields are associated with each test on the System: Run Date, Serial Number (of consumable), Lot Number (of consumable), Operator, Instrument Serial Number, Protocol and Pouch (consumable) Type, and a Sample ID. The "Sample ID" field is a free text field, and bioMérieux issues guidance to use sequentially generated recycled accession numbers in the "Sample ID" field. Consistent with this guidance, do not enter patient names, addresses, demographic information, financial information, medical record numbers, Social Security numbers, and any other unique identifying number, characteristic, or code in the Sample ID field.</p> <p>To the extent the information contained in any these fields is personally identifiable information, as defined in ANSI/NEMA HN 1-2019, the System has the capability to remove such information upon export.</p> | | |
| Note 29 | The System is not intended to maintain long term primary storage of data. See the System Operator's Manual for data archiving guidance. | | |
| Note 30 | If a System is believed to be impacted by malware, please contact the BIOFIRE Technical Support team for assistance. | | |
| Note 31 | Operating system and security event auditing utilizes Windows logging features. | | |
| Note 32 | Installation and maintenance of antivirus, intrusion detection, and other detection/prevention systems is the responsibility of the end user. | | |
| Note 33 | If the System is configured with optional connectivity features, node authentication may be utilized. | | |
| Note 34 | If the System is configured with optional connectivity features, certificate-based network connection authentication may be utilized. | | |
| Note 35 | Reference the System Operator's Manual for the System's hardware connectivity capabilities. | | |
| Note 36 | Reference the System Operator's Manual for details on the System's available USB ports. | | |
| Note 37 | Reference the System Operator's Manual for details on the System's capability to use or support removable memory devices. | | |
| Note 38 | If optional connectivity features are enabled, the System may communicate with other systems within the customer environment. | | |
| Note 39 | If optional connectivity features are enabled, the System may communicate with other systems external to the customer environment. | | |
| Note 40 | If optional connectivity features are enabled, the System may make or receive API calls. | | |
| Note 41 | To the extent that the System maintains personally identifiable information, such information is physically secure. (See Note 2 for additional information on the System's ability to maintain patient identifiable information) | | |
| Note 42 | To the extent that the System maintains personally identifiable information, such information is physically secure, but is not behind an individually keyed locking device. (See Note 2 for additional information on the System's ability to maintain patient identifiable information) | | |
| Note 43 | The software was developed in accordance with IEC 62304. | | |
| Note 44 | Quality Assurance processes conducted during the System's assembly ensure the installed software is manufacturer-authorized. | | |
| Note 45 | The Microsoft Windows Operating System "Guest" account is disabled by default. | | |

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| BioFire Diagnostics, LLC | BIOFIRE® FILMARRAY® TORCH | HTFA-PRT-0054-05 | 1-Feb-2022 |
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| Note 46 | A list of communication ports and protocols that are enabled on the System is available upon request. | | |
| Note 47 | If you have any questions or concerns about system hardening beyond the default state, please contact the BIOFIRE Technical Support team for assistance. | | |
| Note 48 | If you have any questions or concerns about system hardening beyond the default state, please contact the BIOFIRE Technical Support team for assistance. | | |
| Note 49 | Department of Defense's Security Technical Implementation Guides have been used to harden the Microsoft Windows Operating System. | | |
| Note 50 | Data protection mechanisms in place on the system include password protection of the local databases, anonymization of the run data when exporting anonymously, and data bundle creation. | | |
| Note 51 | If the System's optional connectivity features are enabled, data may be stored in an external database. | | |
| Note 52 | Data is encrypted prior to transmission via removable media. If the System's optional connectivity features are enabled, data may or may not be encrypted prior to transmission. | | |
| Note 53 | If the System's optional connectivity features are enabled, the connections may not be limited to authenticated systems. | | |
| Note 54 | If the System's optional connectivity features are enabled, secure transmission methods may be supported/implemented. | | |
| Note 55 | If the System's optional connectivity features are enabled, the System supports mechanisms intended to ensure data is not modified during transmission. | | |
| Note 56 | The System's intended use does not require nor permit remote service connections. If the System's optional connectivity features are enabled, the System may permit remote service connections for analysis or repair. | | |
| Note 57 | If the System's optional connectivity features are enabled and a remote session is active, there is an indicator. | | |
| Note 58 | If the System's optional connectivity features are enabled and to the extent patient data may be on the System, it may be accessed or viewed during the remote session. | | |
| Note 59 | If the System's optional connectivity features are enabled, the System's remote service connections may be used for predictive maintenance data. | | |
| Note 60 | If the System's optional connectivity features are enabled, other remotely accessible functionality may be included. Documentation for Remote Service features can be provided upon request. | | |