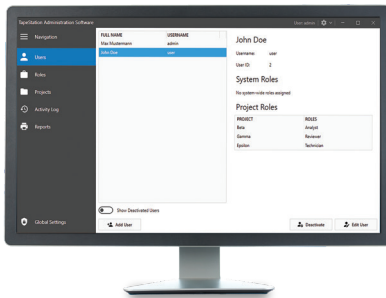


# Agilent TapeStation Software Revision 5.1 Security Module



## Introduction

Agilent TapeStation systems are automated electrophoresis solutions for quality control (QC) of DNA and RNA samples. Agilent TapeStation software is the single software solution for TapeStation systems that offers streamlined data acquisition, data evaluation, and reporting of data analysis results.

The TapeStation software revision 5.1 Security Module offers features to control data access by providing account and permission management, data traceability, and system verification. Additionally, user actions are restricted and tracked.

## Key features:

- Account management
- Permission control by user role management
- Recording and display of audit trails
- Data approval and approval workflows
- Unified reporting by using templates

## Account Management

User access is controlled by using Microsoft Windows account management. The user information can either be connected to local Windows accounts or Microsoft Active Directory. Users are managed within the TapeStation Administration software. Only users who are added to the system have access to the TapeStation software with their Windows username and password. The access level of both the TapeStation Controller and Analysis software can be controlled independently. Auto lock of the software due to inactivity and lock out time due to failed login attempts can be defined.

## Role Management

Role management is handling user permissions. Permissions control the tasks a user is allowed to perform. A role contains a set of privileges which can be granted to a user either on a system or a project level. A default role set is available for an easy start, but permissions and roles are fully customizable (Table 1).

## Approval Workflow Using eSignatures

Data can be electronically signed in accordance with a customizable workflow. Workflows enforce an order of signatures, assign meanings for each step, and lock the file after a defined-level signature was placed.

## Recording and Displaying of Audit Trails

Changes to the data are logged in a file-specific audit trail or the system activity log. Changes within files are recorded in the audit trail which is stored within the file. System wide changes, such as setting up users and changing permissions, are logged in a system activity log. Audit trail entries and logged information can be reviewed directly within the software, printed, or exported as a PDF.

## Reporting

Reports are generated according to report templates. The templates are fully customizable and allow the user to standardize the output. Additionally, administrative reports for users, roles, and projects are available.

## Security Module Qualification Services

Proper functionality services for design qualification (DQ), installation qualification (IQ) and operational qualification (OQ) are offered for TapeStation systems. System verification can be run by the customer.

Table 1. Examples of default roles.

Role	Action	Software
Administrator	- User management	TapeStation Administration software
	- Role management	
	- Set security settings	
	- View system activity log	
Project Administrator	- Create administrative reports	TapeStation Administration software
	- Project management	
	- Define signature workflow	
Project Administrator	- View system activity log	TapeStation Analysis software
	- Report template management	
	- View audit trail	
Analyst	- eSignature	TapeStation Analysis software
	- Analysis of samples	
	- View audit trail	
Reviewer	- Reporting	TapeStation Analysis software
	- Review audit trail	
	- eSignature	
Technician	- Operate instrument	TapeStation Controller software
	- Run measurements	
System Validator	- Run maintenance operation	TapeStation Controller software
	- Run test on the system	

[www.agilent.com/genomics/tapestation](http://www.agilent.com/genomics/tapestation)

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