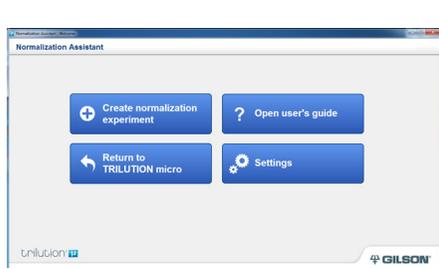
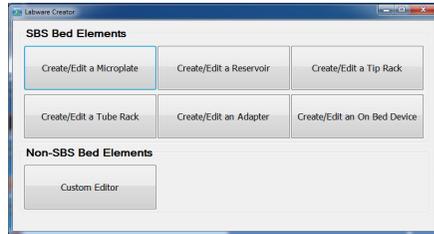


## Normalization Assistant



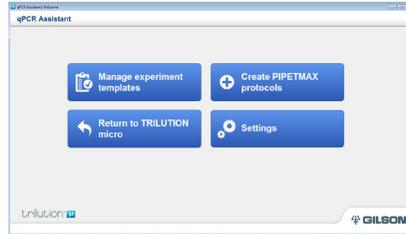
Normalization Assistant is software for creating protocols for normalization of nucleic acids (DNA/ RNA) to run on PIPETMAX®. Normalization Assistant is a workflow-based, easy-to-use software that minimizes the manual data input and eliminates possible calculation and pipetting errors.

## Labware Creator



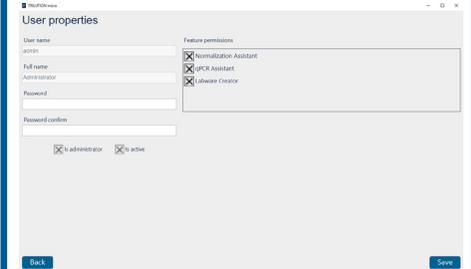
Labware Creator is used to create bed elements that fit in an ANSI/SLAS (standard microplate) footprint: Microplate, Tube Rack, Reservoir, Adapter, and On Bed Device. These bed elements can be used in Protocol Builder, Normalization Assistant, and qPCR Assistant.

## qPCR Assistant



qPCR Assistant is software for creating qPCR protocols to run on PIPETMAX®. It is easy-to-use, workflow-based software to ease and speed-up qPCR experiments without having to understand all the details about automated liquid handling steps. It covers the complete qPCR workflow in a way that minimizes the manual data input and eliminates repetitive copy-pasting of information and enables users to store their assays and apply them to samples over and over again in a flexible way. To access the user's guide, select **Settings** on the Home screen, and then select **Open user's guide**.

## User Management

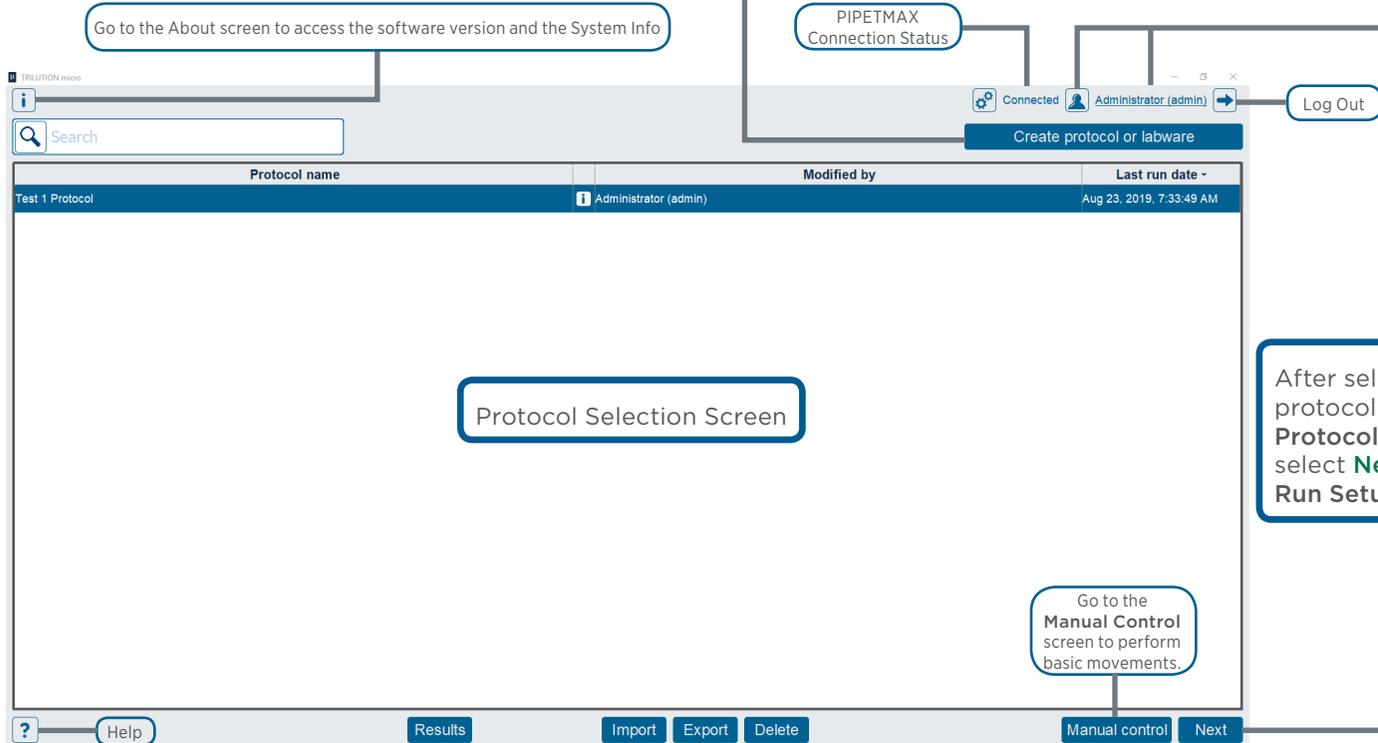


User management provides a way for administrators to grant or restrict users access to features in the software.

### NOTE

Only a user designated as an administrator may edit feature permissions for a user, make the user an administrator, or activate or deactivate a user.

By default there is one user who is an administrator with no password. Optionally, create additional users. Creating additional users will require each user to log in to use the software.



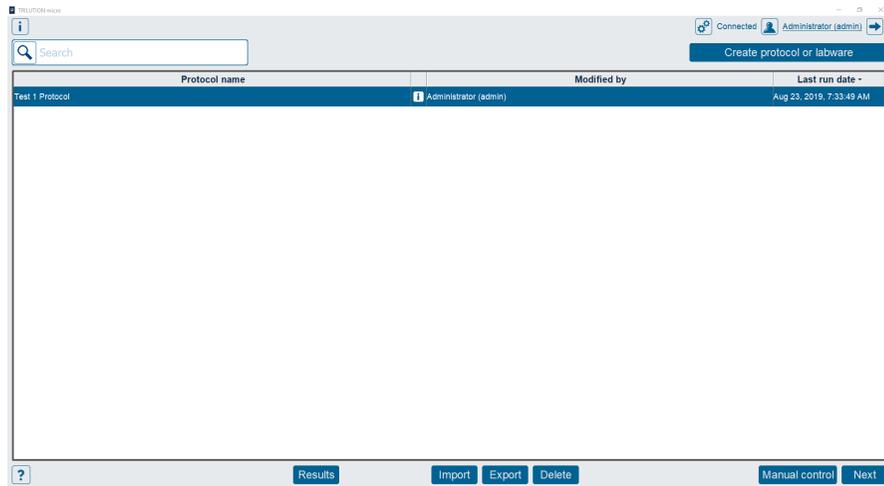
After selecting a protocol to run on the **Protocol Selection** screen, select **Next** to go to the **Run Setup** screen.

Go to the **Manual Control** screen to perform basic movements.

# TRILUTION® micro v3.0

# Protocol Selection

The **Protocol Selection** screen is the main screen and enables navigation to all other screens in the software and displays a list of available protocols.



## Import/Export/Delete

- Import a protocol that was created in Protocol Builder.
- Export a protocol from TRILUTION micro as a .sqlite file.
- Delete a protocol (and its run results). Only a user who is an administrator is allowed to delete protocols.

## Create protocol or labware

Access the Normalization Assistant or qPCR Assistant for creating protocols and the Labware Creator for creating labware for use in the software.

## Run/Simulate a Protocol

- 1 Select a protocol in the list. It will highlight when selected.
- 2 After selecting **Next**, the **Scanning** dialog appears while the software checks that the PIPETMAX is connected.  
If connected, the software goes to the next screen.  
If not connected, a message appears notifying you that you are not connected and asking if you want to simulate or check your cabling connections and try again to run.

## Results

Select a protocol in the list and then select **Results** to view results for attempted and completed protocol runs.

## Manual Control

- **Home XYZ** homes the instrument.
- **Eject Tips** ejects the tips.
- **Prep pipette heads** moves the pipette heads to a position at which they can be changed.

# Run Setup

After selecting a protocol to run on the **Protocol Selection** screen, complete run setup.



## Variables

Displays a list of variables that must be satisfied before running the protocol.

## Head Setup

Head setup is necessary if the pipette head is not set up correctly.

## Query Heads

Query the heads to check that the installed pipette heads match the ones defined in the selected protocol.

## Labware Setup

Set up tips via the **Tip configuration** and all other labware via the **Bed setup** buttons.

## Review Initial Volumes

View and/or edit a complete list of all wells/tubes with a non-zero volume in all labware in the protocol.

## View Files

Open PDF files or export files generated during protocol creation (if the protocol was created in Normalization Assistant or qPCR Assistant).

## View Materials

Displays a list of the items necessary to run the selected protocol.

## Simulate

Select to view a simulation of your protocol.

## Run

Select to run the protocol you just set up, with the option to simulate first if it is a new protocol or the values have changed.