

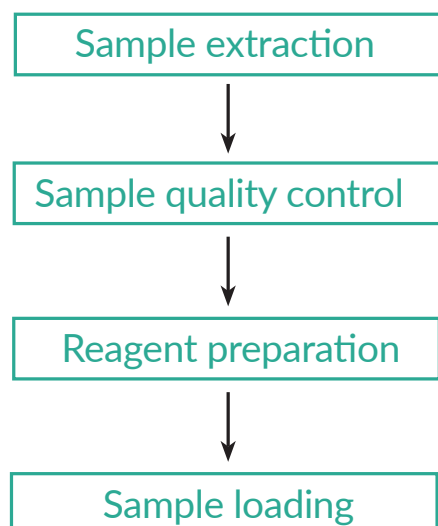
FastGene[®] Gradient PCR Cycler

96-well endpoint PCR Cycler with gradient function, FG-TC03

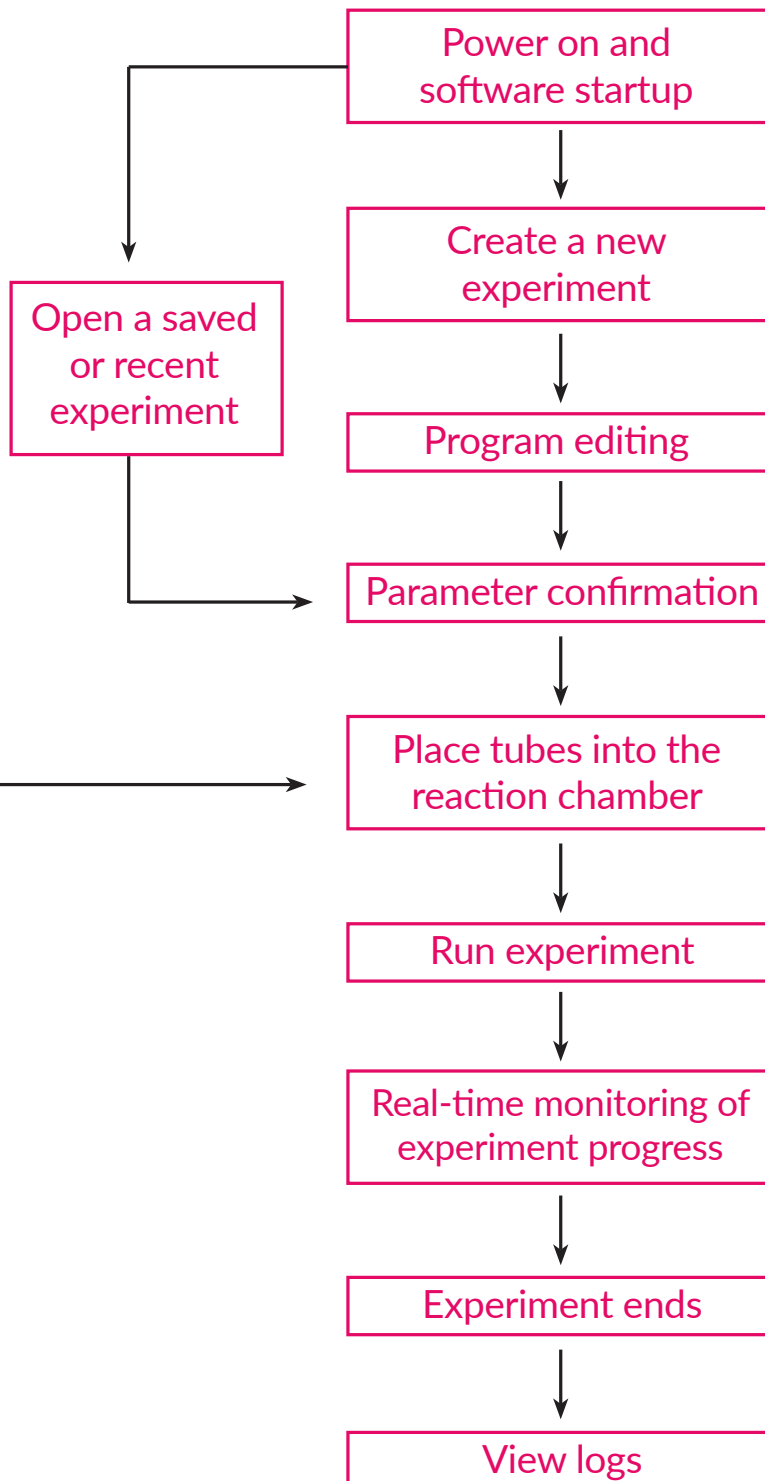


FG-TC03 Experimental Procedure

Sample preparation



Experimental procedure



Download the full manual

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FG-TC03 Software Operation Quick Guide

1. User management

- The instrument defaults to the guest account. Click the account icon in the top-right corner to access the account page. Click the exit icon in the bottom-left corner to switch users.
- The Administrator account allows user management, including adding/deleting accounts, modifying passwords, and editing user permissions.

2. Create a new experiment

- In standby mode, click [New] in the right-side menu, select an experiment template, and enter the edit interface.
- Click [Experiment] in the bottom-right menu, then click the Add icon in the top-right corner of the list. Select an experiment template to enter the edit interface.

3. Saved or recent experiments

- In standby mode, click [Recent] in the right-side menu to view recently completed experiments. Click to enter the edit interface or click the Run icon on the right to execute the program directly.
- Click [Experiment] in the bottom-right menu, select a program file from the list to enter the edit page, or press and hold the file and drag it to the edge near the Run icon. Hold for one second to execute the program directly.

4. Program editing

- Heat Lid & Capacity Settings: Located at the top of the page.
- Program Steps: Click the edit box to input values. Click a number in the bottom numerical area to select a step. Click again to edit special parameters. When selected, use the right panel to insert constant temperature steps, loops, or delete steps. The bottom-right button toggles refrigeration steps on or off.
- After editing, click the Save icon in the top-right corner. Select a folder to save the program.
- The Save icon changes to a Run icon after saving. Click to execute the program.

5. Real-time data monitoring

- During operation, monitor the experiment progress and temperature changes. The right-side menu displays temperature and time data. Swipe up/down on the main interface to switch between [Program] and [Temperature Curve] views.

6. Logs

- Click [Record] on the main interface to view log files by time, including experiment duration, program parameters, error messages, and temperature curves.
- At the end of an experiment, click the log file in the pop-up window for quick access.

7. File management

- Click [File] in the bottom-right menu to import or export experiment files or export logs. With a USB drive inserted, press and hold a selected file to access the operation menu for Import, Export, Move, or Delete.

8. Settings

- Device Info: Displays model, software version, firmware version, and maintenance information.
- System Functions: Supports screenshots, backups, etc.
- System Settings: Adjust time, language, screen lock, and program templates.
- Run Settings: Configure settings for operational and standby states.
- Factory Mode: Intended for maintenance and service purposes only.