

KwikBlot Operation Guide

(Cat.# D2001)

This Guide is a step-by-step instruction to operate the **KwikBlot** device via the **KwikBlot** app.

For new users

Important: The very first user of this device will be the Primary User, who will be able to manage the password and other users. So choose this user carefully.

1. Install **KwikBlot** app on an iPhone/iPad or android phone/pad.
2. Register a user account. If the verification fails, use a non-institutional email instead.
3. Turn on the **KwikBlot** device, and launch the app.
4. Tap “Devices” > “+” > add a new device.

For existing users

1. Power on the device, launch the app, tap “Devices” > “+” > add a new device.
2. Tap “New Experiment”.
3. Follow the on-screen command to program the WB experiment.
4. Priming: install the selected trays on the shaker, tubes and bins on the device, and follow the on-screen command to prime the device. No reagent straws are needed in this stage.
5. After priming, decant the priming solutions in each container.
6. Preparation for experiments: follow the on-screen command.
7. The recommended amount of antibody for each type of tray is listed below. Users may also slightly adjust the amount according to their own preferences.

#1 (1L, 1R):	1mL
#2 (2L, 2R):	2mL
#3 (3L, 3R):	4mL
#4 (4L, 4R):	8mL

Slot Tray (each side):	10mL (secondary antibody only)
Large Tray:	16mL

8. Load the tubes and bins on the device in their corresponding positions. Make sure reagent straws are connected, and reach to the bottom of the tubes.
9. After the program is finished, the membrane(s) can be imaged immediately.
10. The user must clean the device following the on-screen command.
11. The device is on a life-time service program if the user chooses to use a special cleaning solution (R2008). The user may also use water to clean the device. However, the life-time service program is voided in the latter case.

Appendix

1. Pause and cancel a WB experiment: go to the app, “Devices” > “Pause experiment” > cancel/resume. The antibodies will return into its original tubes if the experiment is canceled.
2. Sharing one device by two users: the user with the longer experiment duration is the primary user, who will program the experiment on the app: tap “New Experiment” > enable “Others can pause/resume”. The primary user needs to clean the device in the end.
3. Battery operation: the battery must be at least 10Ah, have a 12V/3A output and a 5.5/2.1 plug. One full charge can last one 20-hour experiment.