

# User guide for ABI 7500 Fast Real-Time PCR System

## ❖ General rules for reserving ABI 7500 Fast Real-Time PCR System

### ➤ Operating Hours

- **Regular Hours:** Monday to Friday, 8:30 AM – 5:30 PM
- **After-Hours Use:** Not typically permitted. In exceptional circumstances, requests must be submitted via email to Dr. Weiyi Peng ([wpeng2@central.uh.edu](mailto:wpeng2@central.uh.edu)) or Dr. Jiakai Hou ([jhou21@central.uh.edu](mailto:jhou21@central.uh.edu)) at least 48 hours in advance for approval.

### ➤ Reservation Policy

- Reservations are managed on a “First Come, First Served” basis.

### ➤ Billing policy

- Time will be billed in 0.5-hour increments:
  - Usage < 0.5 hour will be rounded up to 0.5 hour
  - Usage between 0.5 hour and 1 hour will be rounded up to 1 hour.
- Billing will be based on the reserved time slot,
  - Actual usage time will be adjusted post-session to reflect the accurate duration used.

### ➤ Cancellation Policy

- Cancellations must be made at least 24 hours in advance.

### ➤ Late Start,

- Please respect the scheduled time of other users and make every effort to adhere to your reservation.
- If you are delayed by more than 30 minutes, you must email Dr. Jiakai Hou ([jhou21@central.uh.edu](mailto:jhou21@central.uh.edu)) to confirm and secure your reservation.
- If there is a delay of more than 30 minutes without prior notice, your reservation may be automatically canceled, and a 1-hour charge will be applied.

### ➤ Overrun

- Extension beyond your reserved time is only permitted if the system is available and does not conflict with the next scheduled user.
- Please check the schedule or consult facility staff before overrunning your session.

➤ **Sample preparation**

**Please ensure that you use the correct 96-well plate compatible with the instrument.**

Use of inappropriate plates may result in errors, equipment damage, or compromised data quality.

❖ **Important Notes:**

**Report any equipment issues immediately** to one of the points of contact listed below.

➤ **Unassisted Use (Independent Access)**

**1. Training Requirement:**

All new users **MUST** complete training before using the equipment.

**2. Access Granted:**

Approved users will be added to the **CNRCS QPCR machine** and allowed to reserve time on the qPCR machines.

**3. Reservations:**

Reservations must be made online through **Microsoft Bookings**.

**Points of Contact:**

Dr. Weiyi Peng  
713-743-6941  
[wpeng2@central.uh.edu](mailto:wpeng2@central.uh.edu)

Dr. Jiakai Hou  
832-946-8402  
[jhou21@central.uh.edu](mailto:jhou21@central.uh.edu)