

# Correct Temperature? – Yes!

## Eppendorf® Temperature Verification

Verify the temperature of your PCR cycler



The performance of PCR cyclers depends heavily on temperature accuracy. However, Peltier elements can change accuracy over time! A regular PCR block temperature verification increases reproducibility of PCR results.

- > We recommend a yearly full service for your PCR cycler to keep up performance of the device.
- > Testing and verifying the temperature of the block in shorter intervals can be useful for your audits and workflows. Verify your cycler in your lab with the Eppendorf temperature verification system T6.

### T6 Features

- > Measurement in just 10 – 15 minutes
- > Automatic creation of a report and certificate
- > Customizable measurement protocols

## FAQ

### 1. I want to make sure that my PCR device is working correctly and reliably. What can be done?

Have your cycler serviced once a year for the maximum reliability. If you work in a regulated environment use IQ/OQ after purchase and each maintenance service.

### 2. How can I ensure robust performance of my frequently used PCR cyclers?

The T6 enables temperature verification as often as necessary.

### 3. What components should one quote for a complete system?

The whole T6 system is composed by a laptop, a measuring box, a multi-channel sensor unit and connecting cables.



### 4. What kind of sensors are available?

There are three types of sensor units: 96 well, 384 well and flat. Each sensor unit can be certified either according to ISO 9001 or ISO 17025 (DAkkS).

### 5. Does the T6 verify all thermal cyclers, regardless of brand?

Thermal cycler from other manufacturers cannot be verified (and adjusted), but it is possible to record the temperature profiles (measurement), if the lid can be closed during the measurement.

### 6. Are there multiple probe options with flexibility to change well locations?

Temperature sensor units for 96-well thermoblock and temperature sensor units for 384-well thermoblock can be used with flexibility to change well locations.

### 7. Do you recertify sensors? How often is it needed?

We can support with recertification. The sensor units must be recertified regularly every 18 months and can be done according to either ISO 9001 or ISO 17025 (DAkkS).

### 8. Does purchasing the system include operational training?

Training for users and/or technicians can be booked separately. However, the device comes with a comprehensive operating manual, enabling a proper user-experience for everyone who wants to use it.

### 9. Can one obtain an example report generated by the system?

An example report can be provided. Each of the mentioned sensor unit type has 8 channels that are simultaneously collecting data during a temperature verification, making it also possible to know the homogeneity of the thermoblock and the lid temperature.

### Your Temperature Verification System T6 is made to order

That means once you order your T6 we start to produce exactly what you need. Therefore, production and delivery can take up to 16 weeks, depending on your location.

### Time worth waiting

- > Because you can verify whenever you want; yearly, monthly, weekly.
- > Because you can be sure your cyclor performs as needed.

### Ordering information

Product description	Order no. international
Temperature Verification System T6, without thermal sensors	6328 006 500
Sensor unit for 96 well blocks, calibrated in an ISO 9001 certified laboratory	6328 007 000
Sensor unit for 96 well blocks, calibrated in a laboratory accredited according to ISO/IEC 17025	6328 007 507
Sensor unit for 384 well blocks, calibrated in an ISO 9001 certified laboratory	6328 008 007
Sensor unit for 384 well blocks, calibrated in a laboratory accredited according to ISO/IEC 17025	6328 008 503
Sensor unit flat, calibrated in an ISO 9001 certified laboratory	6328 009 003
Sensor unit flat, calibrated in a laboratory accredited according to ISO/IEC 17025	6328 009 500

Service Agreements and Qualification services	AdvancedCare Agreement	PremiumCare Agreement	IQ/OQ GxP	OQ GxP
Mastercycler®	0082 040 325	0082 040 320	0082 040 300	0082 040 301

### Temperature verification services

Mastercycler® – ISO 9001: measuring the temperatures and ramping speeds of selected well positions simultaneously	6321 897 507
Mastercycler® – ISO 17025*: measuring the temperatures and ramping speeds of selected well positions simultaneously	0082 040 030

Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)

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