CYCLERtest

Self service (q)PCR Calibration

Calibrate your (q)PCR cycler or incubator yourself!

Suitable for all thermocyclers and incubators

Why?

- To comply to (inter)national standards & requirements
- To generate trustworthy & reproducible results
- For full understanding of the performance of your equipment
- Mandatory evidence for your quality system & accreditation
- To ensure optimal performance level

How?

- The system (calibrated in an ISO 17025 accredited laboratory) will be sent to your location
- You calibrate your equipment under guidance by phone (30 minutes) of a qualified calibration engineer
- Return the equipment to CYCLERtest by courier (label provided)
- CYCLERtest provides calibration reports of your cycler/incubator and the used hardware

Measurement (16 channels/2 Hz)

During the temperature calibration, the following parameters are measured and analysed

- Accuracy
- Uniformity (static & dynamic)
- Overshoot and duration (all plateaus)*
- Ramp rates
- Plateau time
- Heated lid temperatures*
- Total protocol run time
- Environment temperature & relative humidity (optional)

*Irrelevant for block incubators & some thermocylers

Designed and manufactured in The Netherlands.

www.cyclertest.com **+31(0)455338733** **order@cyclertest.com**

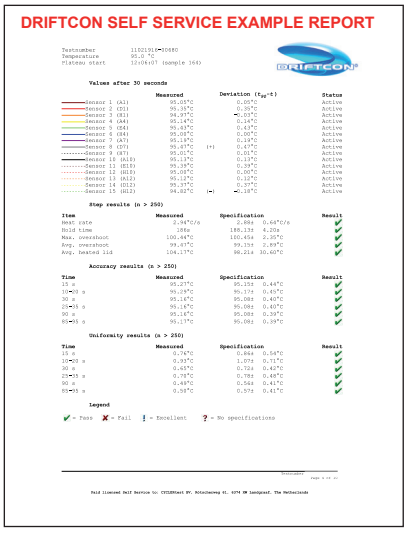
Self service (q)PCR Calibration

Calibrate your (q)PCR cycler or incubator yourself!

Benefits

- Executed by yourself at any convenient time under guidance of a certified engineer
- Instrument downtime is less than an hour
- Compliant to international standards and MIQE guidelines
- Published and internationally accepted method
- Compliant reporting including uncertainty of measurement
- Based on normalized data
- Enables synchronizing your (q)PCR cycler/incubator range
- Reduces re-calls and repetitions of experiments/analyses
- Measures all variables in closed systems (heated lid included)
- The used calibration tool Driftcon® is calibrated in an ISO 17025 accredited laboratory

Interested in how a 10-page-long report looks like? Download an example!


DRIFTCON SELF SERVICE EXAMPLE REPORT


CelsiusLabs

Certificate of Calibration

Applicant

CYCLERtest BV
Calibration department / Customer support
Rötscherweg 61
6374 KW Landgraaf
Netherlands

Calibrated instrument

System : Driftcon (box3)
Probe serial : 170118-06
Type : 16 x 0.2ml Flex

Calibration procedure

All temperature probes are positioned in a stabilization block, which is immersed in a stirred liquid bath according to procedure SOP. TEC. 047. The temperature of the bath is monitored by an ITS-90 traceable and accredited temperature reference standard.

Environmental conditions

The ambient temperature was: (23.0 ± 5.0) °C

Date of calibration

25-Apr-2018 to 26-Apr-2018

Results

The calibration results are listed on the next pages of this certificate

Uncertainty

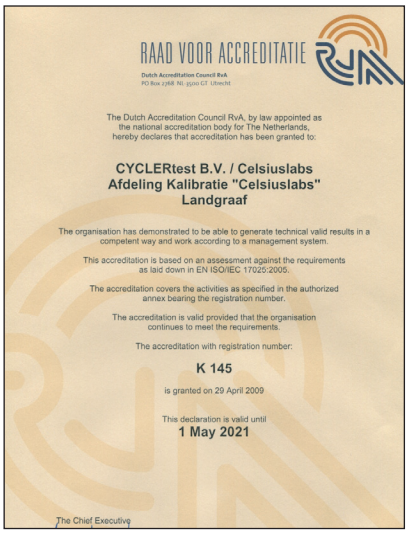
0.04 °C
The reported uncertainty of measurement is based on the standard uncertainty of measurement multiplied by a coverage factor of k = 2, which for a normal distribution corresponds to a coverage probability of approximately 95 %. The standard uncertainty has been determined in accordance with the 'Guide to the expression of Uncertainty in Measurement' (GUM).

Traceability

The measurements have been executed using standards for which the traceability to (international standards has) been demonstrated towards the RvA. The Raad voor Accreditatie is one of the signatories of the Multilateral Agreement of the European Cooperation for Accreditation (EA) and to the ILAC Mutual Recognition Arrangement (MRA) for the mutual recognition of calibration certificates.

Landgraaf, 09-May-2018 Calibration due : 31-May-2019

Tom Hendrikx
CEO


RAAD VOOR ACCREDITATIE

Dutch Accreditation Council RvA
PO Box 2768 NL 3500 GT Utrecht

The Dutch Accreditation Council RvA, by law appointed as the national accreditation body for The Netherlands, hereby declares that accreditation has been granted to:

CYCLERtest B.V. / Celsiuslabs
Afdeling Kalibratie "Celsiuslabs"
Landgraaf

The organisation has demonstrated to be able to generate technical valid results in a competent way and work according to a management system.

This accreditation is based on an assessment against the requirements as laid down in EN ISO/IEC 17025:2005.

The accreditation covers the activities as specified in the authorized annex bearing the registration number.

The accreditation is valid provided that the organisation continues to meet the requirements.

The accreditation with registration number:

K 145

is granted on 29 April 2009

This declaration is valid until
1 May 2021

The Chief Executive

Receive a quote within one working day!

Send an e-mail to order@cyclertest.com and provide your:

- Contact details
- Cycler or incubator brand
- Model
- Block lay-out

Also available

ISO 17025 accredited **on site calibration**

Patented optical calibration qPCR cyclers

Designed and manufactured in The Netherlands.

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