Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

UKAS CALIBRATION **9760** **Accredited to ISO/IEC 17025:2017**	**Labcare Service Ltd** **Issue No:** 014 **Issue date:** 30 July 2026	
	1A Chapel Hill **Braintree** **Essex** **CM7 3QT**	**Contact: Mr Z Purtell** **Tel: +44 (0)1376 332909** **E-Mail: ZakP@labcareservice.co.uk** **Website: www.labcareservice.co.uk**

Calibration performed by the Organisations at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address 1A Chapel Hill Braintree Essex CM7 3QT **Local contact** Mr Z Purtell	Validation of PCR Machines Digital Dry Block Heater	P

Site activities performed away from the locations listed above:

Location details	Activity	Location code
The customers' site or premises must be suitable for the nature of the particular calibrations undertaken and will be the subject of contract review arrangements between the laboratory and the customer.	Validation of PCR Machines Digital Dry Block Heater	S

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Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks	Location Code
TEMPERATURE				
Static calibration of PCR© machines and thermal cyclers	4 °C to 98 °C	0.34 °C	Using a single sensor system to measure the temperature at various points within the thermal block.	P & S
Dynamic calibration of PCR© machines and thermal cyclers	4 °C to 98 °C	0.43 °C	Using a multi sensor system to monitor temperature changes during a PCR run.	P & S
Dynamic PCR machine heated lid	98 °C to 115 °C	0.55 °C	The PCR© (Polymerase Chain Reaction), process is covered by patents owned by Hoffman-LaRoche Inc.	
Digital Dry Block Heater	4 °C to 115 °C	0.28 °C	Method consistent with Euromet CG 13	P & S
END				

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Appendix - Calibration and Measurement Capabilities

Introduction

The definitive statement of the accreditation status of a calibration laboratory is the Accreditation Certificate and the associated Schedule of Accreditation. This Schedule of Accreditation is a critical document, as it defines the measurement capabilities, ranges and boundaries of the calibration activities for which the organisation holds accreditation.

Calibration and Measurement Capabilities (CMCs)

The capabilities provided by accredited calibration laboratories are described by the Calibration and Measurement Capability (CMC), which expresses the lowest measurement uncertainty that can be achieved during a calibration. If a particular device under calibration itself contributes significantly to the uncertainty (for example, if it has limited resolution or exhibits significant non-repeatability) then the uncertainty quoted on a calibration certificate will be increased to account for such factors.

The CMC is normally used to describe the uncertainty that appears in an accredited calibration laboratory's schedule of accreditation and is the uncertainty for which the laboratory has been accredited using the procedure that was the subject of assessment. The measurement uncertainty is calculated according to the procedures given in the GUM and is normally stated as an expanded uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of $k = 2$. An accredited laboratory is not permitted to quote an uncertainty that is smaller than the published measurement uncertainty in certificates issued under its accreditation.

Expression of CMCs - symbols and units

It should be noted that the percentage symbol (%) represents the number 0.01. In cases where the measurement uncertainty is stated as a percentage, this is to be interpreted as meaning percentage of the measurand.
Thus, for example, a measurement uncertainty of 1.5 % means $1.5 \times 0.01 \times q$, where q is the quantity value.

The notation Q[a, b] stands for the root-sum-square of the terms between brackets: $Q[a, b] = [a^2 + b^2]^{1/2}$