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JOINT RESEARCH CENTRE

JRC.F – Health, Consumers & Reference Materials
Unit F.5 – Food and Feed Compliance

European Commission

Call for tenders JRC/GEE/2020/OP/2186

Maintenance services of two Quanstudio 7 rtPCR Systems

Tender specifications:

Part 2 – Technical Specifications

Table of Contents

1.	INTRODUCTION	3
2.	SUBJECT OF THE TENDER	3
2.1.	Maintenance service.....	3
2.2.	Maintenance reports.....	4
3.	ACCEPTANCE OF CONDITIONS.....	4

1. INTRODUCTION

JRC-GEEL (Belgium) is one of the six scientific sites of the European Commission's Joint Research Centre (JRC).

As the European Commission's scientific service, the JRC addresses key societal challenges, providing EU policy makers with independent, evidence-based scientific and technical support required for EU policy making.

JRC-GEEL has a proud history of 60 years of scientific research and brings together multi-disciplinary expertise for developing new measurement methods and tools such as reference materials, promoting standardisation and harmonisation across the European Union to stimulate innovation and to protect consumers and citizens.

JRC-GEEL employs about 250 individuals who work on biotechnology, food and feed safety, food fraud detection, healthcare, nanotechnology, nuclear safety and security, and threat detection. These activities are conducted in state-of-the-art laboratories and facilities.

More information can be found on our website: <https://ec.europa.eu/jrc/en>.

2. SUBJECT OF THE TENDER

This procurement procedure concerns the preventive maintenance of two Quanstudio 7 rtPCR systems installed at JRC Geel premises on 07/07/2016. A yearly preventive maintenance intervention was carried out until now by the supplier of the instruments.

2.1. Maintenance service

A preventive maintenance is understood a periodic intervention on the working instrument to ensure its proper functioning. The contractor must provide preventive maintenance once within every 12 months, to be performed in the last 2 months of the period. The preventive maintenance must take place on the JRC-Geel site on the initiative of the contractor after agreement with JRC-Geel and during the working hours of JRC-Geel (From Monday to Thursday between 8h30 and 12h00 and between 13h00 and 16h00 and on Friday between 8h30 and 12h00 and between 13h00 and 15h30, excluding any weekday holidays of the Commission).

The preventive maintenance shall be all-inclusive, covering all related costs like:

- Travel and subsistence expenses;
- Labour;
- Control of the equipment's performance;
- Control of the equipment including:
 - Inspection;
 - Cleaning (if necessary);
 - Maintenance;
 - Installation of any software or firmware updates;
 - Verification of temperature accuracy of the sample block (at least eight points at two temperatures ± 0.25 °C);

- Verification of the homogeneity of the heating of the sample block (at least eight points maximal difference between any two points $\pm 0.5^{\circ}\text{C}$);
- Verification of the accuracy of the lid ($105^{\circ}\text{C} \pm 3.00^{\circ}\text{C}$);
- Optical calibration (ROI, background and uniformity calibrations);
- Dye calibration (FAMTM, TAMRATM, ROXTM, VICTM, NEDTM and SYBRTM Green);
- Normalization calibrations (FAMTM / ROXTM and VICTM / ROXTM).
- Spare parts necessary to the execution of the intervention included;
- Consumables.

The temperature measurements have to be performed with a calibrated instrument certified by an accredited body.

Possible corrective maintenance will not be part of this contract. If required, it must be agreed with the JRC-Geel responsible and will be ordered separately.

2.2. Maintenance reports

At the end of each intervention, a maintenance report (Annex III to the contract or equivalent) will be produced, signed by the contractor and countersigned by the JRC-Geel responsible for approval. This report must indicate the number of the contract, the work performed, the time spent and include a detailed account of the defects found and the parts replaced.

3. ACCEPTANCE OF CONDITIONS

Submission of a tender implies acceptance by the tenderer of the terms and conditions specified in this invitation to tender, in the terms of reference and in the draft contract and, where appropriate, waiver of the tenderer's own general or specific terms and conditions. The tenderer assures that he has proved the completeness of the content of this tender and that it is neither incomplete nor ambiguous.

The tender should be submitted and the contract executed in accordance with the laws and regulations applicable. By signing this document, the successful tenderer agrees to be bound thereby during implementation of the contract.

Place..... Date

The tenderer (Stamp and signature)