

**United Kingdom-London: Instruments for checking physical characteristics**  
**OJ S 127/2017 06/07/2017**  
**Contract award notice**  
**Supplies**

**Legal Basis:**

Directive 2014/24/EU

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**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: The Francis Crick Institute

Postal address: 1 Midland Road

Town: London

NUTS code: UK United Kingdom

Postal code: NW1 1AT

Country: United Kingdom

E-mail: [tenders@crick.ac.uk](mailto:tenders@crick.ac.uk)

Telephone: +44 2037961286

**Internet address(es):**

Main address: [www.crick.ac.uk](http://www.crick.ac.uk)

**I.4. Type of the contracting authority**

Body governed by public law

**I.5. Main activity**

Other activity: biomedical research

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**Section II: Object**

**II.1. Scope of the procurement**

**II.1.1. Title**

Mass Cytometer.

**II.1.2. Main CPV code**

38400000 Instruments for checking physical characteristics

**II.1.3. Type of contract**

Supplies

**II.1.4. Short description**

The Francis Crick Institute requires a high-end Mass Cytometer that incorporates the very latest technologies available in the field, to overcome the limitations posed by traditional flow cytometry (limited number of analytes and ability to resolve tagged antibodies with overlapping fluorophores). Mass cytometry is a relatively new technology that overcomes these limitations by using lanthanide-labeled antibodies to tag cells that are then measured using a mass cytometer (also termed CyTOF). The outcome is an improved signal-to-noise ratio and little overlap of signal, enabling cells to be labeled with far greater numbers of different antibodies than conventional flow cytometry, with over 100 detection channels being feasible. The resulting multiparametric data then allows researchers to identify not only complex protein

marker combinations but also pathway activation states in normal and diseased biological systems.

#### **II.1.6. Information about lots**

This contract is divided into lots: no

#### **II.1.7. Total value of the procurement**

Value excluding VAT: 780 000,00 GBP

### **II.2. Description**

#### **II.2.2. Additional CPV code(s)**

38400000 Instruments for checking physical characteristics, 38430000 Detection and analysis apparatus, 38434000 Analysers, 38434510 Cytometers

#### **II.2.3. Place of performance**

NUTS code: UK United Kingdom

Main site or place of performance: The Francis Crick Institute 1 Midland Road London NW 1 1AT.

#### **II.2.4. Description of the procurement**

The Francis Crick Institute has awarded the contract for a mass cytometer to Fluidigm, as we are unaware of any other supplier who would be able to provide this technology.

The instrument will be installed to customised requirements within the Flow Cytometry facility at the Crick. The key requirements of the system are:

—Analysis of individual cells labelled with stable metal isotopes using state of the art inductively coupled plasma time of flight (TOF) technology.

—135 detection channels allowing simultaneous resolution of multiple elemental probes at high acquisition rates allowing detection of over 100 analytes.

—High sensitivity for low level expression of targets with a detection limit of fewer than 350 antibodies/cell.

—Peak throughput 2000 events/sec.

—Dynamic range 4.5 orders of magnitude.

—Addition of an imaging module allowing laser ablation of micron sized pieces of tissue and introduction of these to a mass cytometer.

—Automated calibration and quality control.

—Pneumatic sample introduction.

A VEAT notice relating to the description of the supplies was previously issued. OJEU notice <http://ted.europa.eu/udl?uri=TED:NOTICE:146205-2017:TEXT:EN:HTML&tabId=1>

#### **II.2.5. Award criteria**

Price

#### **II.2.11. Information about options**

Options: no

#### **II.2.13. Information about European Union funds**

The procurement is related to a project and/or programme financed by European Union funds: no

#### **II.2.14. Additional information**

### **Section IV: Procedure**

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## **IV.1. Description**

### **IV.1.1. Type of procedure**

Award of a contract without prior publication of a call for competition in the Official Journal of the European Union in the cases listed below

- The procurement falls outside the scope of application of the directive

Explanation:

The Francis Crick Institute has awarded a contract for a mass cytometer to Fluidigm, as we are unaware of any other supplier who would be able to provide this technology.

The instrument would be installed to customised requirements within the Flow Cytometry facility at the Crick. The key requirements of the system are:

- Analysis of individual cells labelled with stable metal isotopes using state of the art inductively coupled plasma time of flight (TOF) technology
- 135 detection channels allowing simultaneous resolution of multiple elemental probes at high acquisition rates allowing detection of over 100 analytes
- High sensitivity for low level expression of targets with a detection limit of fewer than 350 antibodies/cell
- Peak throughput 2000 events/sec
- Dynamic range 4.5 orders of magnitude
- Addition of an imaging module allowing laser ablation of micron sized pieces of tissue and introduction of these to a mass cytometer
- Automated calibration and quality control
- Pneumatic sample introduction

A related Voluntary Ex Ante Transparency Notice (VEAT) relating to the intention to award was published. OJEU Link:

<http://ted.europa.eu/udl?uri=TED:NOTICE:146205-2017:TEXT:EN:HTML&src=0>

### **IV.1.3. Information about a framework agreement or a dynamic purchasing system**

### **IV.1.8. Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: no

## **IV.2. Administrative information**

### **IV.2.1. Previous publication concerning this procedure**

Notice number in the OJ S: [2017/S 075-146205](#)

### **IV.2.8. Information about termination of dynamic purchasing system**

### **IV.2.9. Information about termination of call for competition in the form of a prior information notice**

## **Section V: Award of contract**

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**Contract No:** CRICKITT0110

A contract/lot is awarded: yes

## **V.2. Award of contract**

### **V.2.1. Date of conclusion of the contract**

01/05/2017

**V.2.2. Information about tenders**

Number of tenders received: 1

The contract has been awarded to a group of economic operators: no

**V.2.3. Name and address of the contractor**

Official name: Fluidigm

Postal address: 12 New Fetter Lane

Town: London

NUTS code: UK United Kingdom

Postal code: EC4A 1JP

Country: United Kingdom

E-mail: [Rachel.Hipkin@fluidigm.com](mailto:Rachel.Hipkin@fluidigm.com)

The contractor is an SME: no

**V.2.4. Information on value of the contract/lot**

Total value of the contract/lot: 780 000,00 GBP

**V.2.5. Information about subcontracting****Section VI: Complementary information**

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**VI.3. Additional information****VI.4. Procedures for review****VI.4.1. Review body**

Official name: The Francis Crick Institute

Postal address: 1 Midland Road

Town: London

Postal code: NW1 1AT

Country: United Kingdom

E-mail: [tenders@crick.ac.uk](mailto:tenders@crick.ac.uk)

Internet address: [www.crick.ac.uk](http://www.crick.ac.uk)

**VI.5. Date of dispatch of this notice**

03/07/2017