



Fundació Hospital Universitari Vall Hebron - Institut de Recerca (VHIR)

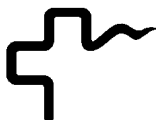
NÚM. EXPEDIENT: 2020-031 IN VIVO ULTRASOUND EQUIPMENT

**DOCUMENT OF TECHNICAL SPECIFICATIONS
NON HARMONIZED TRADE – OPEN PROCEDURE**

**DOCUMENT OF TECHNICAL DESCRIPTION FOR THE SUPPLY OF AN IN VIVO
ULTRASOUND IMAGING DEVICE FOR THE PRECLINICAL IMAGING PLATFORM OF
VALL D'HEBRON INSTITUTE OF RESEARCH (VHIR).**



Una manera de hacer Europa



Clause 1. Aim of the tender.

The objective of this trade document is the providing of an in vivo ultrasound imaging system that will be incorporated into the Preclinical Imaging Platform, located at Cellex building, in the Vall d'Hebron Campus.

Clause 2. Maximum budget of the tender.

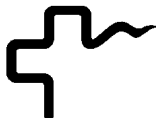
In this tender procedure, both estimated value and maximum budget agree. Thus, maximum budget of the tender has been established in **“ONE HUNDRED AND EIGHT THOUSAND THREE HUNDRED AND NINETY EUROS” (108.390,00€)** with an applied VAT of **“TWENTY-TWO THOUSAND SEVEN HUNDRED AND SIXTY ONE EUROS AND NINETY CENTS” (22.761,90€)**, resulting in a total amount of **“ONE HUNDRED THIRTY-ONE THOUSAND ONE HUNDRED FIFTY-ONE EUROS AND NINETY CENTS” (131.151,90€)**.

Concept	Price (VAT not included)
Maximum budget	108.390,00 euros
Possible modifications	00,00 euros
Possible extensions	00,00 euros
Total	108.390,00 euros

For the acquisition of the cited equipment, there is an aid granted by the MINECO (Ministerio de Ciencia, Innovación y Universidades). Description of the grant is: *Ayudas públicas del Subprograma Estatal de Infraestructuras de Investigación y Equipamiento Científico-Técnico del Programa Estatal de Generación de Conocimiento y Fortalecimiento Científico y Tecnológico del Sistema de I+D+i del Plan Estatal de Investigación Científica y Técnica y de Innovación 2017-2020, destinadas a organismos de investigación y de difusión de conocimientos y de infraestructuras de investigación.*

Orden CNU/384/2019, de 2 de abril. Publicado en el BOE miércoles 3 de abril de 2019.

The final resolution of the procedure for granting aid to the call for the acquisition of scientific-technical equipment for 2019, of the state subprogram of research infrastructures and technical scientific equipment, within the framework of the state plan for scientific and technical research and innovation 2017-2020, has granted VHIR partial support for the acquisition of in vivo ultrasound equipment.



Clause 3. Tender duration and place of delivery.

DELIVERY TERM: Delivery and installation of the system aim of this tender will be carried out in a **maximum time of 6 months** from the order fulfillment. In this way, order could be completed since the next day after the formalization of the contract resulted from the present tender.

Both shipping and installation costs of the device should be included into the complete amount of this tender.

DELIVERY LOCATION: Delivery of the system aim of this tender will be carried out in the Preclinical Imaging Platform facilities, located in the -2 floor of the Cellex building of Vall d'Hebron Campus.

Clause 4. Billing and payment

The contractor will invoice the order through its corresponding invoice, which must be sent to the following email address: **factures@vhir.org**.

Each invoice issued must detail the period to which it corresponds, the breakdown / description of expenses by concept, as well as indicate the references *"LICI-2020-031"*

The effective payment of the executed services will be made by bank transfer, with a maturity of 30 days / invoice date.

Clause 5. Warranty

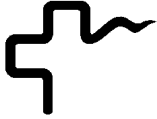
WARRANTY: A 1-year period of warranty is required, starting the same day of delivery certificate signature. This warranty includes system updates, as well as the solution of every anomalies or potential hidden problems of the provided articles or new software and/or its updates.

Only after the warranty period ends, the contract will be considered as extinct.

Provided objects should be accorded to all the current legal requirements at the moment of trade.

Clause 6. Supply typology.

Following, all the articles that compound the supply are related, as well as the main characteristics and technical requirements of them:



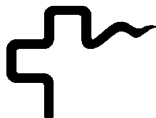
Technical specifications

Required system is a preclinical ultrasonography device that includes the following components:

- 15" Tablet Ultrasound System Controller With Imaging Software:
 - B (Brightness) mode
 - M (Motion) mode
 - Doppler (Power Doppler & Color Doppler) mode
 - PW (Pulse-Wave) Doppler mode
 - Analog Doppler
 - Contrast mode (Optimized for ultrasound contrast agents)
 - 3D mode (Built-in 3D image reconstruction and rendering, note: 3D motor required)
- 40 Mhz specific ultrasound probe:
 - Center Frequency: 40 MHz
 - Broadband Frequency: up to 60 MHz
 - User Selection: 30 MHz — 50 MHz
- Scanning platform for mice with multiparameter monitoring (including heart rate, respiratory rate and temperature):
 - Mouse table with heating, ECG gating (for ECG-triggered imaging), and respiration gating
- System installation and one-day specific training.
- 1 year warranty.

Supplementary accessories

- Scanning platform for rats with multiparameter monitoring (including heart rate, respiratory rate and temperature):
 - Rat table with heating, ECG gating (for ECG-triggered imaging), and respiration gating
- 20 Mhz specific ultrasound probe:
 - Center Frequency: 20 MHz
 - Broadband Frequency: up to 30 MHz
 - User Selection: 15 MHz — 30 MHz
 - Nonlinear Contrast Imaging
- Micro-injection platform with specific needle.
- 3D imaging study package:



- 3D imaging mode
- 3D motor (0.05 mm scan interval in the scan axis)
- Acoustic radiation force (ARF) package:
 - Hardware: External radiation force transducer, independent pulse, confocal design with the imaging probe
 - Software: of]line user-defined analysis tool
 - Offline viewer software
- High Intensity Focalized Ultrasound package:
 - Interface with designed sonoporation device
 - Offline viewer software
- Offline analysis software:
 - Viewer for B/ M/ Doppler/ PW/ Contrast/ 3D imaging with analysis tools
- Frontal cover for ultrasound probes.

Clause 7. Responsible for the contract.

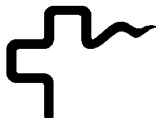
The person in charge of the contract is the Head of Preclinical Imaging Platform of the Fundació Hospital Universitari Vall d'Hebron- Institut de Recerca, who will be basically responsible, among others, for the functions of management and supervision of the contracted supply, conforming the invoicing issued by the service; monitoring, control and dictation of the instructions necessary for the proper execution of the contract; determine whether the service provided complies with the requirements established for its execution and compliance and receipt of the contract at the end, and comply with the obligations assumed by the Vall d'Hebron University Hospital Foundation - Research Institute (VHIR) in this contract.

Clause 8. Allocation criteria.

Following indicated criteria must be evaluated with value judgment and will be applied to the content of the envelopment number 2:

Supply technical characteristics..... MAXIMUM 50 POINTS.

8.1. Qualitative and technical characteristics of the supply 40 points.



- Report of technical specifications of provided articles, in compliance of all the characteristics and technical requirements detailed in the present tender (up to 20 points).
- Organization and supply media (up to 20 points).

8.2. Additional improvements..... 10 points.

- Availability and technical assessment after-sales, via telematics, phone consultation or physical presence of specialized technicians if necessary (up to points).
- Possibility of minimum warranty period extension described in the tender (1 year). This extension should include (if necessary) system updates, as well as the solution of every anomalies or potential hide problems of the provided articles or new software and/or its updates (up to 5 points).

Barcelona, on the 19th of May 2020.

CONTRACTING ORGANISM

Dr. Joan X. Comella Carnicé

Director

Fundació Hospital Universitari Vall Hebron – Institut de Recerca (VHIR)