



IRIS
NAVARRA

DIGITAL
INNOVATION
HUB

IRIS Lab

Equipment Catalogue

NAVARRA ♡ NAFARROA

Una forma de funcionar | Our own way | Gauzak egiteko dugun modua



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“ INNOVATIVE, ADVANCED
DIGITAL EQUIPMENT, SO
THAT YOU CAN EXPERIMENT
WITH IT AND ANALYSE ITS
APPLICABILITY IN YOUR
BUSINESS OR ACTIVITY ”

What is IRIS Lab?

IRIS Lab is the experimental laboratory of the IRIS Hub and provides a diverse state-of-the-art digital equipment units that the Hub makes available to companies, institutions and citizens, so that they can learn about it, experiment with it and discover how it can support their activities and in their business.

1

Who can order this equipment and how?

Any individual, institution or company can access this equipment by calling +34 628 231 232 or by emailing to hola@irisnavarra.com.

4

Who services it?

If the equipment you want to use requires maintenance or periodic inspections, IRIS Navarra will generally manage the servicing.

2

How much will it cost?

We offer a base rate for each piece of equipment.

Every request includes a complimentary consulting process to size the service ad-hoc.

5

What warranty does the equipment have?

Every equipment available at IRIS Lab includes a warranty that covers different costs for a defined period. If you have any questions, please contact us.

3

How long can I use it for?

The rental period depends on the specific piece of equipment, but it will always be long enough for you to get familiar with it, test it thoroughly, and evaluate it under real conditions.

6

Training to use the equipment

Professional or supplier-provided support may be available. In some cases, the equipment can be used in self-service mode. The level of expertise required will depend on each piece of equipment.

Synthetic Biology



Beckman CytoFLEX SRT Sorter

BASE RATE: 26,07 €/h

Bench-top cell sorter with up to 4 lasers and 15 colours. Isolates cell populations into tubes or plates (up to 384 wells). Particularly suitable for rare sub-populations multi-omic applications involving post-sorting viable cells.



Biacore 1K Analyser

BASE RATE: 15,77 €/h

Real-time biomolecular interaction analysis system using Surface Plasmon Resonance (SPR) technology. It allows working with small sample volumes and analysing multiple biomolecules with high sensitivity. It makes it easier to obtain accurate kinetics and affinity data.



DNA SCRIPT SYNTAX STX-200 Enzymatic DNA Synthesiser

BASE RATE: 23,09 €/h

Bench-top enzyme DNA synthesiser: synthesis, desalting, automatic quantification and standardisation to obtain oligonucleotides ready to use in molecular and synthetic biology workflows. Supports modifications (fluorophores, quenchers, biotin), and degenerated bases in the sequence.



Sartorius Ambr 250 modular bioreactor

BASE RATE: 14,83 €/h

Bioreactor platform for the optimisation of cell and microbial culture processes with volumes of 250 mL. Combines high precision, flexibility and ease of use. With automated control of pH, dissolved oxygen, stirring and feeding.



ÄKTA Avant 25 FPLC

BASE RATE: 9,77 €/h

Advanced liquid chromatography system for rapid, reproducible and scalable purification of biomolecules. It offers precise gradient control, multi-channel detection and complete automation to optimise processes.



ÄKTA Flux S tangential flow filtration system

BASE RATE: 4,82 €/h

Compact and semi-automated tangential filtration equipment designed for applications such as concentration, diafiltration and clarification of biomolecules. It allows the use of hollow fibre and cassette filter cartridges.



TECAN Spark multimode microplate reader

BASE RATE: 5,54 €/h

Integrates absorbance, fluorescence (Fl, TR-FRET, polarisation), luminescence and AlphaScreen with high-performance optics for quantification and counting assays, enzyme kinetics, binding studies, reporter assays and analysis of biomolecular interactions.



Lynx 6000 High-Speed centrifuge

BASE RATE: 4,20 €/h

Equipped and compatible with different rotors for bottles and tubes of up to 6 litres capacity and thermal control.



Biotechnology



UHPLC-QTOF-MS/MS chromatography system

BASE RATE: 99,49 €/h

Metabolomics analysis platform for identification and quantification of metabolites. Located at the University of Navarra under an independent access model.



Hamilton MICROLAB STAR Liquid handler

BASE RATE: 17,34 €/h

High-precision liquid-handling system for automated workflows. Configured with an 8-channel arm and a 96-head. Includes an integrated thermal cycler for on-deck PCR. Compatible with multiple NGS and molecular biology procedures.



Beckman Biomek i7 automated liquid handler

BASE RATE: 24,57 €/h

Automated liquid handler offering up to 45 cover positions and multiple pipetting configurations. Includes accessories for colony picking and streaking. Intuitive software simplifies programming and traceability, with automated methods that reduce hands-on time and variability.



Genomic Sequencing

Find out more about this equipment



Illumina Novaseq X Plus Sequencer

BASE RATE: 137,86 €/h

Illumina's most advanced high-throughput NGS sequencer. Designed for population-scale genomics and clinical projects requiring large volumes of data at a low cost per sample. Up to 2 x 150 bp and fully integrated with Illumina DRAGEN and Illumina Connected Analytics platforms.



Oxford Nanopore PromethION2 Sequencer

BASE RATE: 14,14 €/h

Bench-top sequencer designed to generate long reads in real time with integrated base-calling and analysis, offering a self-sufficient system for large-scale genomics, metagenomics and direct epigenetics projects.



Illumina MiSeq iSeq100 Sequencer

BASE RATE: 10,62 €/h

Fast-response and high-quality NGS sequencer for small to medium-scale projects. It offers up to 2 x 500 pb. Ideal for amplicons (16S/ITS), microbial genomes, targeted panels and quality control of genomic libraries.



Illumina DRAGEN servers

BASE RATE: 5,15 €/h

On-premise platform with FPGA acceleration for ultra-fast NGS secondary analysis (germline, somatic, RNA, methylation), ideal for storing data locally.



Digital Laboratory and Supercomputing

IRIS Lab supercomputing nodes (Urederra Cluster)

HPC infrastructure with Intel CPUs, state-of-the-art NVIDIA GPUs and high-performance storage. It offers power for AI, scientific simulations and massive data analysis, with specialised technical support and flexible scalability.

BASE RATE: 0,015€/h INTEL CPU
1,098€/h INTEL GPU Power
1,592€/h INTEL GPU A100
2,490€/h INTEL GPU H100

IRIS Lab Virtual digital laboratory

Private cloud based on OpenStack + Ceph with NVIDIA H100 GPUs. It provides isolated and scalable environments for AI, Big Data, cybersecurity and software testing projects, under IaaS and AlaaS models.

BASE RATE:

virtual GPU 12 GB: 0,3162€/h
virtual GPU 47 GB: 1,2385€/h
virtual GPU 94 GB: 2,4771€/h

Find out more about this equipment



Find out more about this equipment



IRIS Lab physical laboratory

6 high-performance workstations: 3 HP with NVIDIA RTX A6000 GPU and 3 Apple Mac Studio M2 Ultra with 6K screens. Ideal for video editing, 3D rendering, technical simulation and advanced creative projects.

BASE RATE: 50€ unit/day



Virtual Production and Video Podcast

Find out more about
this equipment



IRIS Lab Virtual Production Set

Immersive audio-visual system with Alfalite LED screen, Pixotope tracking, Blackmagic 12K camera and RTX 6000 GPU. Allows shooting with 3D backgrounds in real time, adaptive lighting and cinematographic capture, ideal for cinema, advertising and training.

BASE RATE: 137.50 €/h

IRIS Lab Video Podcast Studio

Space equipped with professional microphones, PTZ cameras and VR-1HD production desk. It facilitates the recording and streaming of podcasts and interviews with broadcast quality, offering a practical resource for creators, institutions, and companies.

BASE RATE: 50 €/h



Additive Manufacturing

Find out more about
this equipment



Formlabs Fuse 1+30W 3D Printer (SLS)

Selective laser sintering system for robust and functional plastic parts in PA11, PA12 or TPU. Designed for prototyping, low-volume production and engineering components.

BASE RATE: from 92,22€
(depending on project)

Samylabs Alba 300 3D Printer (SLM metallic)

Equipment for 3D printing on metal (steel, titanium, aluminium, chrome-cobalt). It produces complex and resistant parts with applications in automotive, aerospace, medical areas and industrial moulds.

BASE RATE: from 110,67€
(depending on project)

Intamsys Funmat Pro 610HT 3D Printer (FDM high temperature)

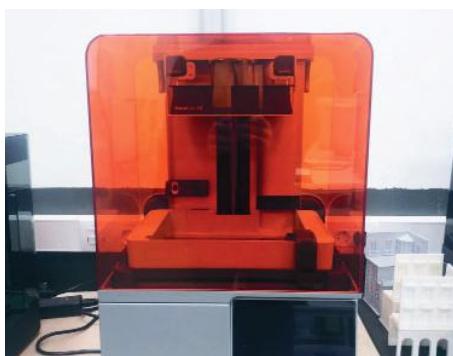
Specialised in ultra-polymers such as PEEK, PEKK or ULTEM, with chemical and thermal resistance. It allows the manufacture of large and functional parts for aerospace, automotive, chemical and medical sectors.

BASE RATE: from 102,46€ (depending on project)

Formlabs Form 4 3D Printer (SLA)

Stereolithography equipment that manufactures high-precision resin parts, with great surface quality. Ideal for rapid prototyping, medical, dental, industrial and jewellery applications.

BASE RATE: from 25,40€
(depending on project)



Programmable Robots

Find out more about
this equipment



Programmable Robots

G1 EDU-U1 Unitree humanoid robot

Electric bipedal robot with 23 degrees of freedom, 3D-vision cameras and LiDAR. Capable of walking, running and handling objects. It is ideal for research in robotics, AI and educational applications.

BASE RATE: 625€/week

Dédalo Foundation Robots and 3D printers

Educational robotics kits (mbOT2, LEGO SPIKE Prime) and 4 3D printers (Creality Ender 3 V3 Plus and Bambu Lab XI-Carbon). Oriented to digital education, prototyping and promotion of STEM competencies.

BASE RATE: 30€/session

Advanced Conectivity, 5G and IoT

Find out more about
this equipment



Infraestructura 5G IRIS Lab

5G Private network with Core Athonet, fixed nodes in Zubiri and a transportable node, for testing in IoT, industrial automation, tourism, drones and telemedicine.

BASE RATE: 253,44€/week

Equipos de usuario 5G

Smartphones, tablets, Huawei routers and industrial Nokia devices with SIMs and eSIM, for testing in IoT applications, low latency and critical communications.

Virtual Fencing Collars and Positioning Modems

Nofence virtual fencing collars

Alternative to physical fences using GPS and acoustic signals, controlled by mobile app. They monitor the position of livestock and optimise extensive grazing.

BASE RATE: 60€/year



Find out more about this equipment



Modems and agricultural telemetry systems

Devices that record positioning, route history and machinery data. They improve comprehensive fleet management, reduce costs and promote agriculture 4.0.

BASE RATE: 127€/year



Find out more about this equipment



Virtual Collars and Modems



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Let's talk

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Get to know us!

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