



Parc Científic de Barcelona
UNIVERSITAT DE BARCELONA

Core Scientific Services (SCC-PCB)



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Core Scientific Services (SCC-PCB)

- Shakers-incubators
- Centrifuges
- Cold storage (-80°C, +4°C, N₂, ...)
- Spectrophotometers
- Histology
- Microscopes
- Culture rooms
- General equipment
- Protein purification
- Cleaning and sterilisation service



Shakers-incubators

7 rooms located in the Clúster and Hèlix buildings.

- Shaker-incubators from 16°C to 60°C
- Climatic chamber (37°C) with shaking platforms

Clúster building:

Basement floor:

- A11

Ground floor:

- AB15
- AB23
- BC53
- C71

Hèlix building:

Ground floor:

- B08

1st floor:

- A12



Centrifuges

9 rooms located in the Clúster and Hèlix buildings.

- Benchtop centrifuges (low speed)
- High-speed/high-capacity centrifuges
- Ultracentrifuges
- Benchtop ultracentrifuges

Clúster building:

Basement floor:

- AP11

Ground floor:

- AB15
- AB23
- BC53
- C71

1st floor:

- BC41

Hèlix building:

Ground floor:

- B08

1st floor:

- A12

2nd floor:

- B07



Drosophila

2 fly rooms with stereoscopic microscopes in the Cluster building

- 3 climatic chambers (2 at 18°C and 1 at 25°C)
- 2 climatic incubators (at 18°C) and 1 climatic incubator (at 25°C)
- 4,000 liters per year of culture-medium for drosophila
- 30,000 monthly food tubes
- Installation of CO₂

Clúster buildin:

Basement floor:

- A23
- A32

Ground floor:

- B22



Cold storage

- Ultrafreezers (-80°C)
- Liquid nitrogen containers for standard boxes of 2 ml vials (100 vials/box)
- Cold chambers (4°C)

The PCB offers a service to house freezers and users' nitrogen containers in a space properly conditioned under contract and specific rate.

N₂ space rental and -80°C:
operacions@pcb.ub.cat

6 rooms with ultrafreezers

Clúster building:

Basement floor:

- A24
- A32

Ground floor:

- C71
- BC41

3rd floor:

- BC81

Hèlix building:

Ground floor:

- B06

10 cold chambers

Clúster building:

Basement floor:

- AP11
- CP52

Ground floor:

- AB23
- BC53
- C71

1st floor:

- BC41

3rd floor:

- BC81

Hèlix building:

Ground floor:

- B08

1st floor:

- A12

2nd floor:

- B07

2 nitrogen rooms

Clúster building:

Basement floor:

- AB31

Hèlix building:

Ground floor:

- B22



Spectrophotometers

7 rooms located in the Clúster and Hèlix buildings.

- Microplate readers (Fluorescence, Luminescence, Absorbance)
- UV-visible cuvette spectrophotometers
- Spectrophotometer for microvolums
- Luminometer
- Fluorometer
- Equipment for gel photo-documentation
- Crosslinker
- UV Transilluminator
- IR Scanner Odyssey
- Odyssey FcOdyssey M
- iBright

Clúster building:

Ground floor:

- AB15
- AB21
- BC53
- C71

Hèlix building:

Ground floor:

- B08
- 1st floor:
 - A12

2nd floor:

- B07



Histology

1 room located in the Clúster buildings.

- Cryostat
- Rotary microtome
- Stereoscopic microscope
- Flotation bath
- Citocentrifuge (Cytospin)

Clúster building:

Basement floor:

- AP11



Microscopes

1 room located in the Clúster building.

Fluorescence microscopes with digital imaging system

- Stereoscopic microscope MZ 16F (Leica)
- Vertical microscope Eclipse Ci-L Plus (Nikon)
- Vertical microscope Eclipse E600 (Nikon)
- Vertical Microscope Eclipse E800 (Nikon)
- Inverted microscope TE200 (Nikon)
- Inverted microscope Dmi8 (Leica)

Clúster building:

Basement floor:

- BC36



Primary cultures, cell lines, yeast cultures, bacterial cultures

- Biological safety and laminar air flow cabinets
- CO₂ Incubators
- Centrifuges
- Laboratory refrigerators
- Laboratory freezers (-20°C)
- Ultrapure water system
- Shaker-incubators, thermostatic baths
- Inverted microscopes (with/without fluorescence, imaging capture and documentation software)
- Cell counter
- Incubators

7 clean rooms

Clúster building:

Basement floor:

- A12
- A21

Ground floor:

- AB31
- C71

1st floor:

- BC43

3rd floor:

- B71

Hèlix building:

Ground floor:

- A05

2 yeast culture rooms

Clúster building:

Basement floor:

- CP52

Hèlix building:

Ground floor:

- B08

2 bacterial culture rooms

Clúster building:

Basement floor:

- A11

Hèlix building:

Ground floor:

- B08



General equipment

11 rooms located in the Clúster and Hèlix buildings.

- Scales
- Gel dryers
- Ultrasonic bath
- Speed vac
- Electroporators
- Sonicators
- Freeze dryer
- Self-service autoclaves from 12L to 150L
- Ultrapure water systems
- Ice machines (located on diferents floors at Cluster I and II building an on ground floor at Helix building)

Clúster building:

Basement floor:

- AP11
- AP31

Ground floor:

- AB15
- AB23
- BC53
- C71

Hèlix building:

Ground floor:

- B08

1st floor:

- A12

2nd floor:

- B07



Protein purification

1 room with chromatography systems in the Cluster building.

- Äkta Purifier 10
- Biorad NQC Quest 10

Clúster building:

Ground floor:

- B41



Cleaning and sterilisation service

2 rooms located in the Clúster and Hèlix buildings.

- Pick-up and delivery of laboratory material
- Glassware and plastic laboratory material thermodesinfection
- Autoclaved, steam sterilised
- Hot air drying and dry heat sterilisation
- Liquid sterilisation

Clúster building:

Basement floor:

- A22

Hèlix building:

Ground floor:

- A21





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