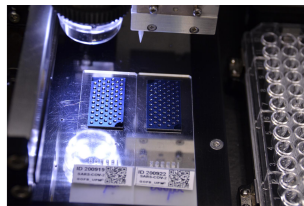
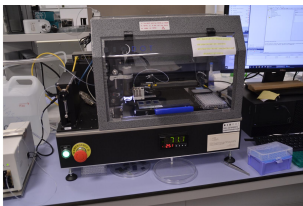
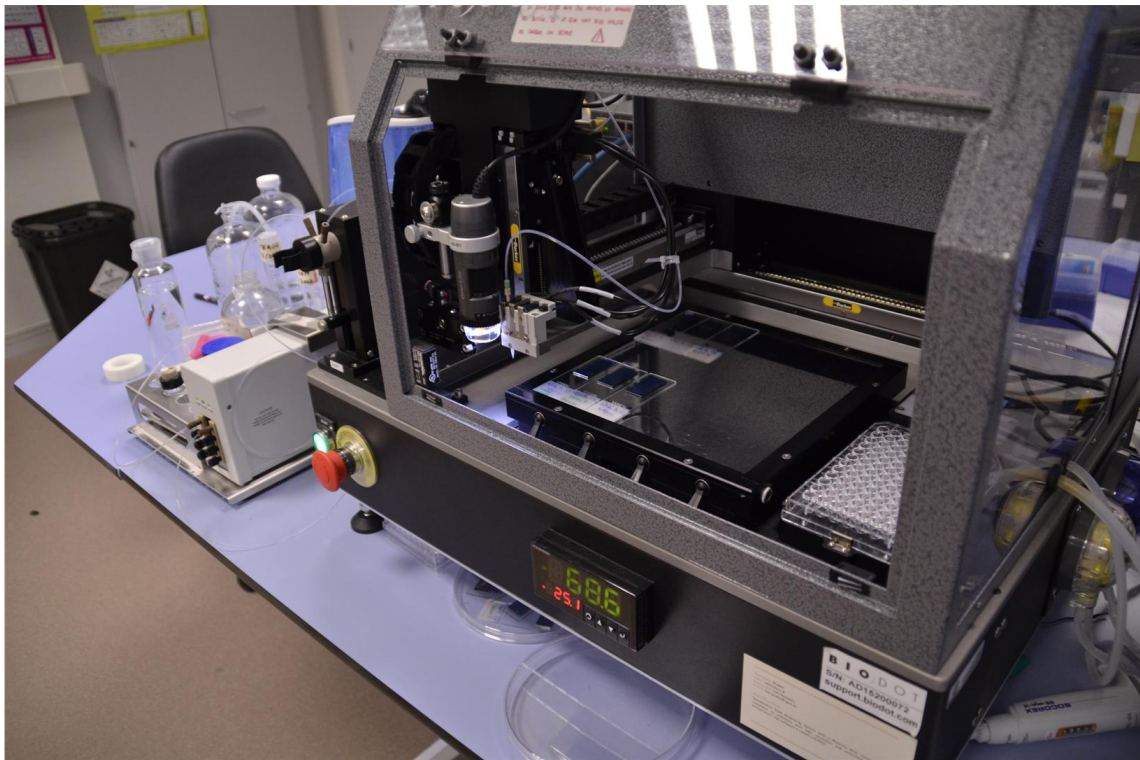


# MICRO-VOLUME DEPOSIT USING CNC

Micro-volumetric drip deposit using a numerical control robot



## Contact information

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## Technological Offers type

Technological scientific services

## Research and innovation areas

- Bioeconomy, Biotechnology and Food Systems
- Health and Wellbeing
- Industry, Materials and Circular Economy

ODS



Available from: 2021

## Where?

Center for Biomedical Technology Photonic and Biophotonic Optics Group (GOFB)

Keywords: | [Deposit](#) | [incubation](#) | [micro volume](#) | [numerical control](#) | [pipetting](#) | [robot](#)

## Scientific and technology services

### Micro-volume deposit using CNC

KEY WORDS: micro-volume, numerical control, robot, incubation, deposit, pipetting

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### Description of the services offered

Quantitative, contactless, automated drip dispenser system which allows repeatability in detection kit pipetting with no contamination between samples with a humidity and temperature-controlled atmosphere.

It is controlled using the Link2020 program which uses AcSys software on a computer.

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### Needs requested and applications

The lack of reagents, or the high costs, of many proteins and antibodies make the deposit of micro-volumetric samples necessary. The BioDot robot enables quantitative pipetting of these samples, and control of the position they are deposited in.

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### Sector or area of application

Clinical analysis, biochemical laboratories

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### Equipment description

The BioDot trading house robot has the following technical features:

- ¿ Gasifier: Yes.
  - ¿ Coupled vacuum pump: Yes
  - ¿ Drip volume range: from nanolitres to millilitres.
  - ¿ Humidity and temperature control: Yes.
  - ¿ Humidifier: Yes.
  - ¿ Number of heads: 1.
  - ¿ P96 panel: Yes.
  - ¿ Syringe capacity: 250 ml.
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### Request for service

Contact by e-mail, putting ¿PROVISION OF SERVICE¿ in the subject, and the service in question with an approximate description of what is required and the time line in the body of the e-mail.

Contact e-mails: [info.gofb@gmail.com](mailto:info.gofb@gmail.com) or [betxu.santamaria@upm.es](mailto:betxu.santamaria@upm.es)

