



Olfa Debbeche
Core Facility Manager

The biosafety level 3 (BSL3) core facility is one of the best scientific facilities of its kind in Canada. It provides a safe environment in which to handle and store infections biological agents belonging to risk group 3.

Accredited by the Public Health Agency of Canada and fully meeting the Canadian Biosafety Standards, our facility guarantees user safety and prevents the spread of pathogens to adjacent laboratories and the environment.

Our institutional permit for infectious biological agents belonging to risk group 3 was amended in 2020 to include the SARS-CoV-2 virus and bacteria of the *Mycobacterium tuberculosis* complex.

SERVICES

TRAINING ON THE SAFE USE OF FACILITIES AND EQUIPMENT

- Only duly trained individuals are allowed access to the core facility.

LUMINEX IMMUNOASSAY SERVICE

- Plate readings (assay determined by the user)
- Plate assays and readings

BIOSAFETY LEVEL 3 CELL SORTING

- Access to a FACSaria Fusion cytofluorometer built into a biological safety cabinet

For cell sorting at BSL3, please refer to the cytometry core facility section.

RESEARCH IN ACTION

With the onset of the pandemic in 2020, our core facility played a major role: it enabled research teams to address public health challenges by rapidly expanding the range of Risk Group 3 pathogens studied in our facility. Our team adapted our protocols and procedures to allow our users to safely handle and work with SARS-CoV-2.

BIOSAFETY LEVEL 3 (BSL3)

HIGHLIGHTS

Our core facility gives users access to: eight culture rooms, one cytometry room, one cryopreservation room and one Luminex instrument (MagPix).

Since its beginning in 2014, our team has:



supported **10** research **teams**



trained and supervised over **150** users



received over **50 mentions** in scientific publications

