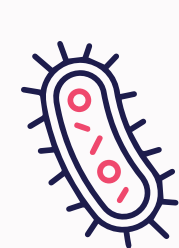




Virology Center Of Excellence: Illuminating Insights Into Infectious Diseases

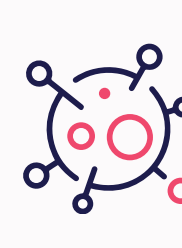
Experience the unparalleled activity of Cerba Research's infectious diseases (ID) therapy sector, boasting a remarkable track record of over 600 executed trials in just the last 5 years. Our dedicated focus spans across the spectrum, from combating the formidable challenges of COVID-19 to addressing prevalent diseases like HCV, HBV, influenza, and dengue. Our state-of-the-art BSL3 facilities ensure a secure environment for cutting-edge infectious disease research on a global scale. Join us in pioneering breakthrough solutions for a healthier tomorrow.

Our Infectious Diseases Highlights



~600

ID trials since 2018



~250

COVID-19 trials



90%+

Trials include specialty testing

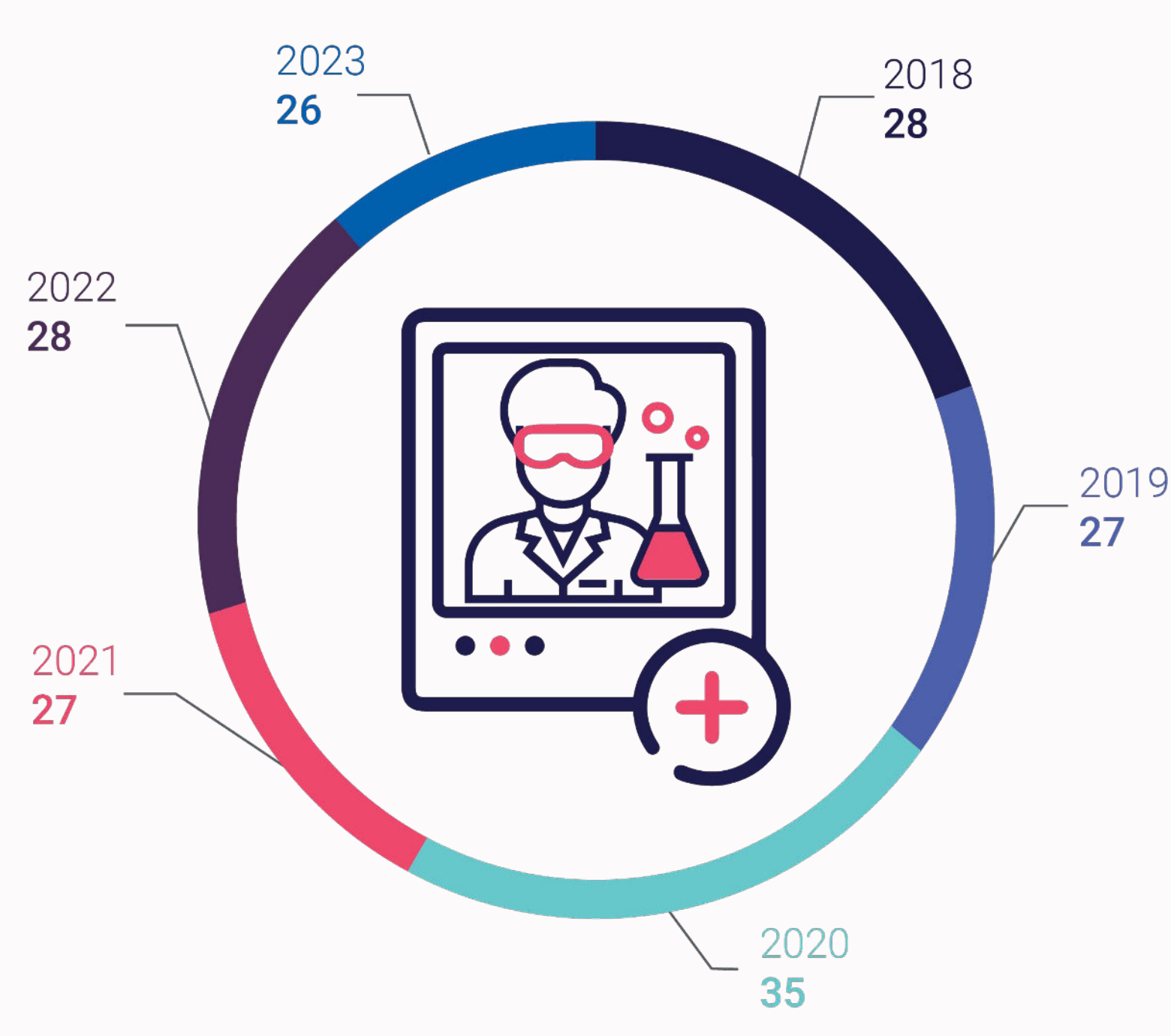


Cerba NL

Virology center of excellence

Cerba Research Scientists Are Highly Published

Number Of Publications From Cerba Research

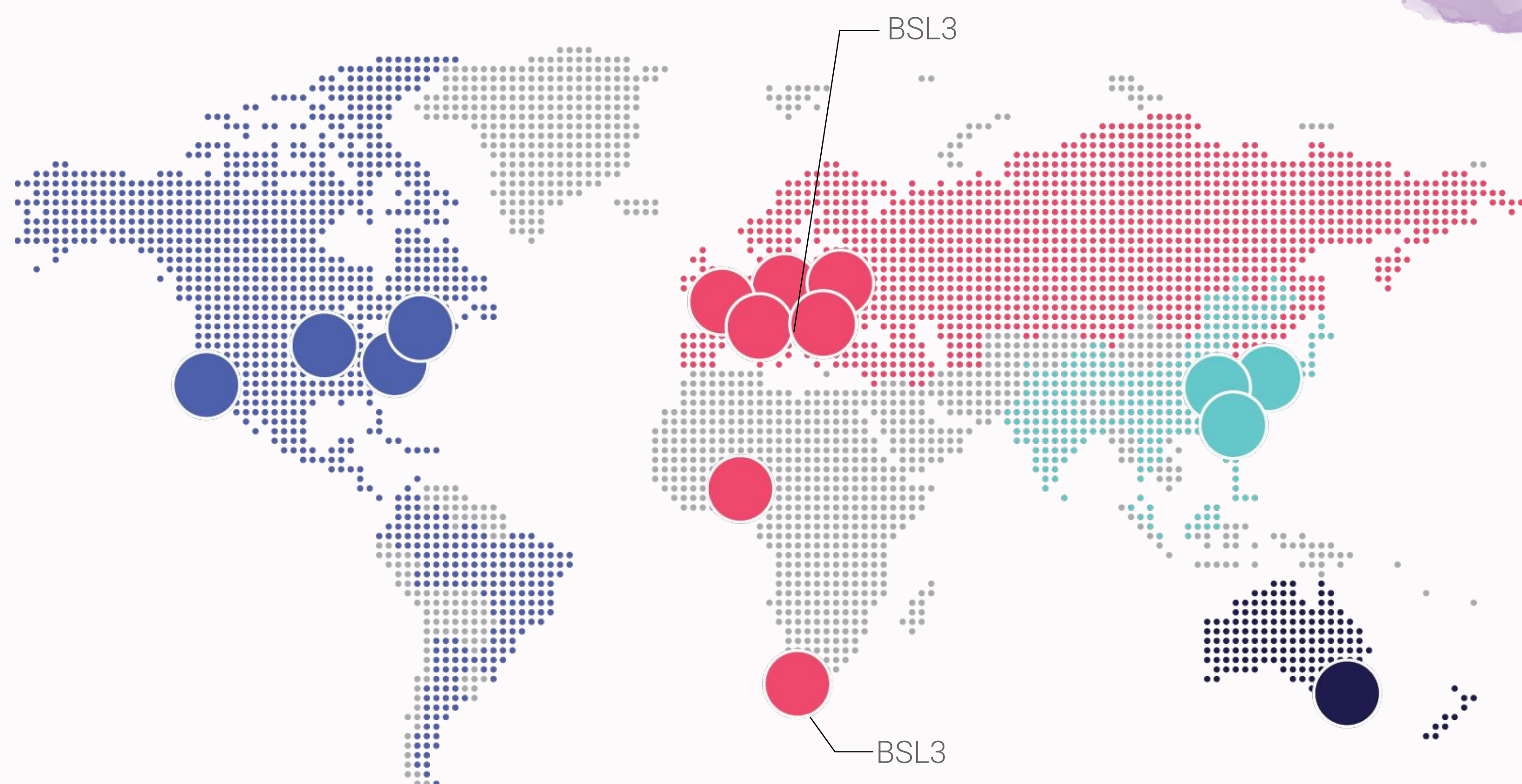


The highest impact journals where Cerba Research recently published in ID is Nature and Lancet Microbe. In addition, Cerba Research consistently publishes close to 30 publications each year across therapy area since 2018.

ID Indications Overview

SARS-CoV-2 , HCV, HBV, HIV, HPV, hMPV, influenza, RSV, dengue virus, chikungunya virus, pulmonary aspergillosis, SARS-CoV-1, MERS, clostridioides difficile, tuberculosis...

Laboratories Overview



Main ID/virology laboratories globally with Cerba Research NL, our virology center of excellence

Integrated Vaccine And Antiviral Central And Speciality Laboratory



DNA/RNA

- Microbiome
- Metagenome
- TCR/BCR seq
- qPCR/ddPCR
- Illumina Covid seq
- SARS-CoV-2 RT-PCR
- NGS/WGS/WES
- RNA-seq



Routine/Safety

- Serology
- Virology testing
- Sr calprotectin
- Anti-IFN alpha-2
- Hematology
- Biochemistry
- Coagulation
- Urinalysis
- Pregnancy test
- Lipase
- Amylase
- Thyroid function



LBAs & Virology Assays

- ELISA, ELLA, MSD
- 50+ LBAs
- PK/ADA/NABs
- Specific virus NABs
- Virus titration (TCID50)
- Microneutralization assays
- Plaque (reduction) assays



Cell

- FCM
- Cytex Aurora
- Intracellular cytokine detection by FCM
- Immunophenotyping
- Collection & processing of PBMCs
- ELISpot assays
- PK/ADA/NABs



Tissue

- Biomarker analysis & immune profiling
- Multiplex/simplex IHC with 250+ biomarkers/protocols
- Full histopath service
- NanoString®, FISH, ISH

Acronyms

ADA: Antibody-drug antibody, **BCR:** B cell receptor, **ddPCR:** Droplet digital polymerase chain reaction, **FCM:** Flow cytometry, **FISH:** Fluorescence *in situ* hybridization, **HBV:** Hepatitis B virus, **HCV:** Hepatitis C virus, **IHC:** Immunohistochemistry, **ISH:** *In situ* hybridization, **LBA:** Ligand binding assay, **MERS-CoV:** Middle East respiratory syndrome coronavirus, **MSD:** Mesoscale discovery, **NAb:** Neutralizing antibody, **NGS:** Next-generation sequencing, **NL:** The Netherlands, **PBMC:** Peripheral blood mononuclear cells, **PK:** Pharmacokinetics, **qPCR:** Quantitative polymerase chain reaction, **RSV:** Respiratory syncytial virus, **SARS:** Severe acute respiratory syndrome, **TCID50:** Median tissue culture infectious dose, **TCR:** T cell receptor, **WES:** Whole exome sequencing, **WGS:** Whole genome sequencing.