

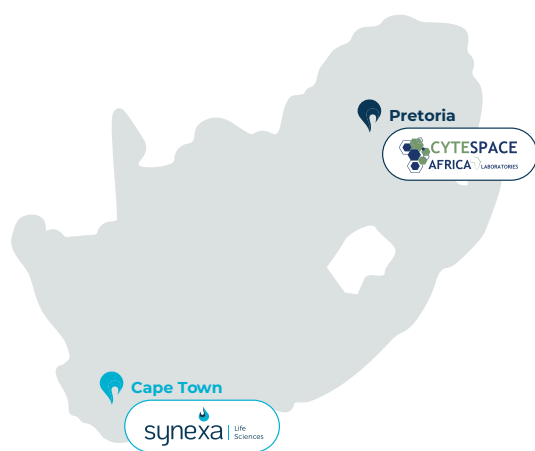
Synexa & Cytespace Laboratories: A complete laboratory solution for vaccine studies

Strength in Partnership

The swift advancement of an effective SARS-CoV-2 vaccine has ushered in renewed hope in infectious disease management. With the surge in investment for new vaccine candidates, there's a pressing need for a cohesive service that integrates central lab, safety, and specialized bioanalysis solutions.

Synexa and Cytespace have partnered to address this need. Our combined expertise offers a comprehensive service, from central lab and safety marker analysis to intricate biomarker and bioanalysis, ensuring samples are prepared and processed to their fullest potential. With Cytespace as the central lab and Synexa handling specialist biomarker and bioanalytical analysis, this synergy provides industry leading vaccine study capabilities and streamlined laboratory testing.

Why Choose Synexa & Cytespace for Vaccine Studies



- Strategic locations across South Africa
- Multiple decades of clinical trial and vaccine trial experience
- Scientific and regulatory expertise
- Vast vaccine laboratory testing experience
- Unique access to fresh, diverse samples
- Bioanalytical assays meet highest industry standards
- Sample safety, integrity and reliability
- Timely data delivery & intergration
- Easy adoption of tech transfers for various protocols



Combined service offering for vaccine studies



- Bespoke bioanalysis
- Cellular immunity: Functional flow cytometry and ELISpot
- Humoral immunity
- RNA transcriptomics
- Olink



- Safety and routine bioanalysis
- PBMC isolation and storage
- Viral load
- Full service mycobacteriology
- Cell count (white blood cell and CD4)



Tuberculosis

- **Cellular immunity:** Antigen-specific immune recall – Intracellular cytokine staining and IFN- γ ELISpot
- **Humoral immunity:** Antigen-specific IgG
- **RNA transcriptomics**
- **Olink:** Inflammation and cytokine panels
- **Soluble Biomarkers:** ELISA, Mesoscale and fluorescence
- **Mycobacteriology:** MC&S and TB microbiology
- **PBMC isolation and storage**
- **Safety testing:** FBC, U&E, LFT, Acute phase reactants
- **Latent TB screening:** QuantiFERON



HIV

- **Cellular immunity:** Antigen-specific immune recall – Intracellular cytokine staining, ELISpot, polyfunctionality, tetramer and pentamer flow cytometry
- **Humoral immunity:** Antigen-specific IgG and IgA
- **RNA transcriptomics:** Intact Proviral DNA assay
- **Olink:** Inflammation and cytokine panels
- **Soluble Biomarkers:** ELISA, Mesoscale
- **Viral-specific testing:** Viral load, CD4 count and viral serology
- **PBMC isolation and storage**
- **Safety testing:** FBC, U&E, LFT, Acute phase reactants



Malaria

- **Cellular immunity:** Antigen-specific immune recall – Intracellular cytokine staining for CS-specific CD4 and CD8 T-cells and ELISpot
- **Humoral immunity:** Anti-CS-specific IgG, anti-NANP-specific IgG and anti-adjuvant-specific IgG
- **RNA transcriptomics**
- **Olink:** Inflammation and cytokine panels
- **Soluble Biomarkers:** ELISA, Mesoscale and fluorescence
- **Paracytemia and Gametocyte monitoring**
- **PBMC isolation and storage**
- **Safety testing:** FBC, U&E, LFT, Acute phase reactants



About Synexa and Cytespace



Synexa Life Sciences is a bioanalytical and biomarker services laboratory specializing in the development and validation of complex and custom designed assays with progression into clinical trial sample analysis. Our depth of services enable us to support our customers throughout their clinical journey, from translational studies into late phase clinical trials.



Cytespace Africa Laboratories is an independent & privately owned pathology research laboratory, with specialist capabilities to support clinical trials across all therapeutic areas, including infectious diseases studies. Cytespace is based in Pretoria, South Africa which was established in 1999. We are a College of American Pathologist (CAP) ISO 15189 accredited facility across all platforms. We offer end to end solutions with study specific database setup, protocol specific kit design, analytical testing, data transfers and well versed Project Management.



Ready to discuss your **vaccine study?**



Visit synexagroup.com/vaccines and cytespacelabs.com to learn more about our vaccine service offerings.

For more information, email us at contactus@synexagroup.com to see if we can find a solution to your bioanalytical challenges.





Get in Touch

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