



# T-Cell Detection for the Comprehensive Assessment of Covid Long-Haul ●

## Functional Immune and Infection Testing

Our new Covid Long-Haul Expanded panel (#3140) can identify reactivated viruses and the impact of infection on a patient's overall immune status. This measurement is a critical component for the creation of effective treatment protocols.

## 3 Solutions for the most critical Long-Haul patterns

### Challenge 1:

**Sars Cov2 may still be present in a reservoir:**

Research has shown that the virus can persist in patients within reservoirs such as the lamina propria of the gut (Peluso et al. 2023, Proal et al. 2023, Cuicchi et al. 2022).

### Solution 1:

Our Covid T-Cell ELISPOT test detects active antigen-specific T-Cells and indicates if any antigen or virus is persisting in a patient's body.

### Challenge 2:

**Chronic viruses of the herpes family may be re-activated and contribute to chronic fatigue and brain fog:**

Research indicates that viruses of the Herpes family such as Epstein Barr Virus (EBV) can be reactivated after a Covid infection and contribute to the symptoms of Long-Haul Covid (Vojdani 2023, Gold 2021, Rohrhofer 2023)

### Solution 2:

Antigen-specific T-Cell ELISPOT testing for active viral infections is currently the most accurate tracking tool on the market to indicate reactivation and viral activity for Epstein Barr Virus (EBV), Varicella Zoster and Human Herpes Virus 6. (Pantaleo 2006, Ritta 2012, Vogl 2011, Cassaniti 2019)body.

### Challenge 3:

**SARS Cov2 can cause a hyperactive immune response:**

COVID can cause an overshooting immune response and increase the risk for Covid Long-Haul syndrome. (De Biasi 202, Rivas 2022, Chen 2020).

### Solution 3:

The Immune Assessment test can provide a gauge of how active and well-functioning a patient's immune system currently is and it puts the immune response in context to viral and bacterial infections including Covid Long-Haul. This is the only functional immune assessment test currently on the market.

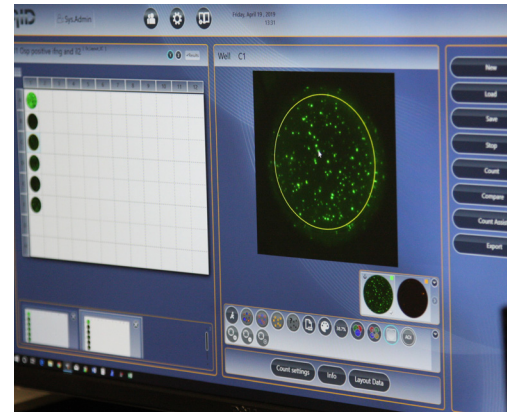


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T-Cell ELISPOT analysis

# At our US-based lab, we are committed to:

## Improved Diagnostics and Ongoing Research & Development

- T-cell testing for early detection of cellular immune response
- Serology - IgG/IgM humoral response
- Developing novel, cutting-edge immune assessment testing to identify infection within the context of individual immunity

## Monitoring treatment progression

- T-cell testing will reflect pathogenic burden at the time of testing
- Enables accurate monitoring throughout the treatment process

## Personalized and efficient services

- Individual HIPAA-compliant online practitioner platform
- Quick turnaround time: 4 to 5 business days.
- Overnight shipment services included to ensure optimal specimen stability and T-cell integrity
- Drop-shipping to patients and partners with phlebotomy services throughout the U.S.
- Kits include pre-paid shipment labels enabling quick turnaround and sample viability.
- 1:1 consultations are available with our scientific team led by Dr. Felix Scholz (PhD).
- 1:1 clinical consultation available with world expert Dr. Carsten Nicolaus (MD) to discuss patient-specific cases.
- We provide personalized training, regional seminars, and webinars to support your ongoing needs, and to present the latest data on immune function and infection detection

