



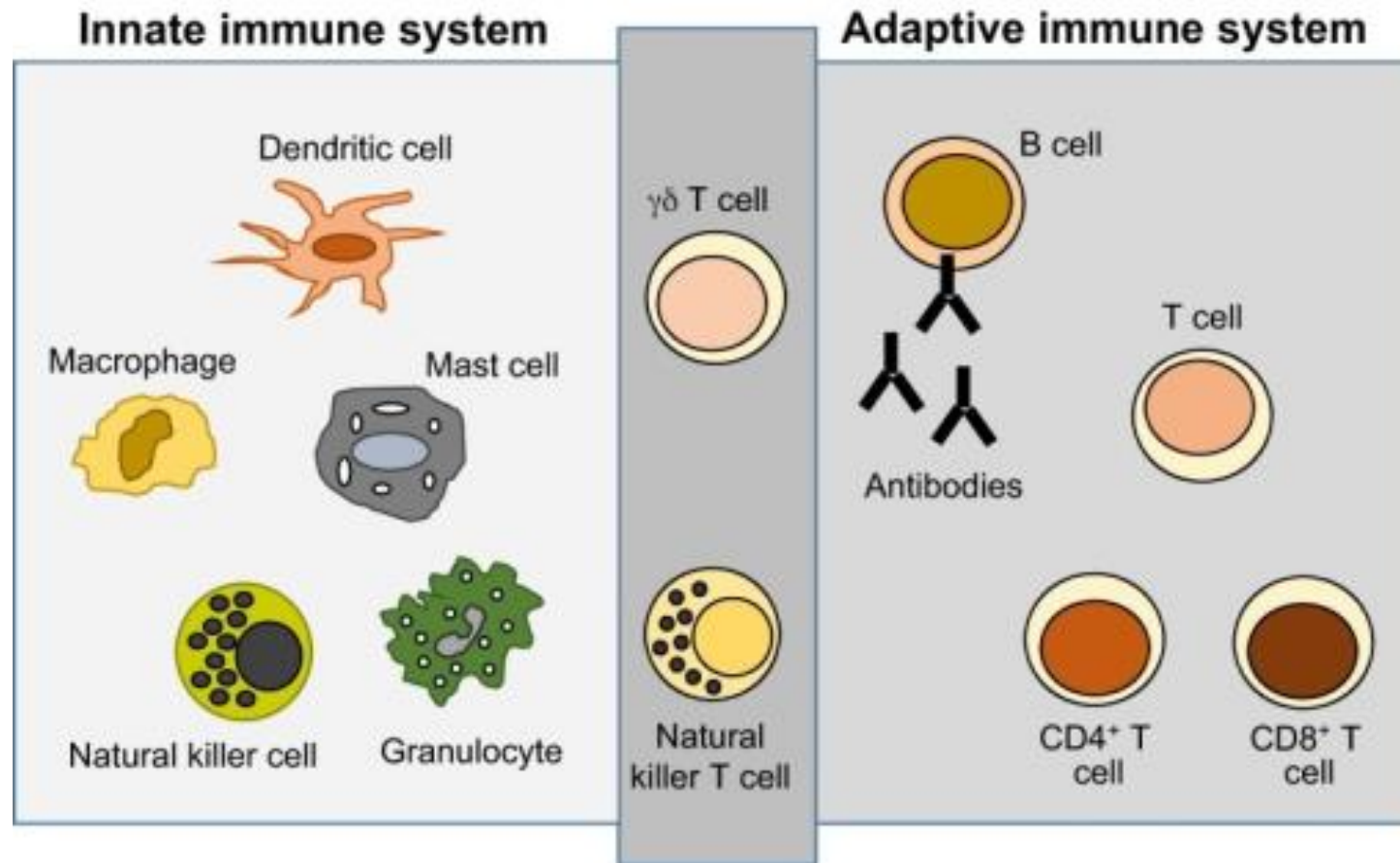
Assessment of COVID-19 T Cell Immunity

Dr James Hindley
CEO, ImmunoServ

29 June 2023



The immune system and immune memory



Development of COVID-19 Immuno-T™ test

“Simplicity is the Ultimate Sophistication”
Leonardo da Vinci

Blood collected
into heparin
vacutainer



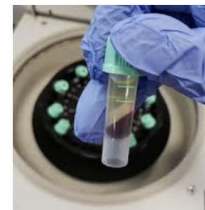
Transport to lab

Blood stimulated with
SARS-CoV-2
(S/NP/M) peptides

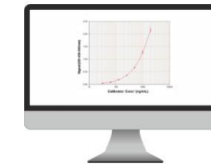


18-24 hour
incubation

Plasma
harvested

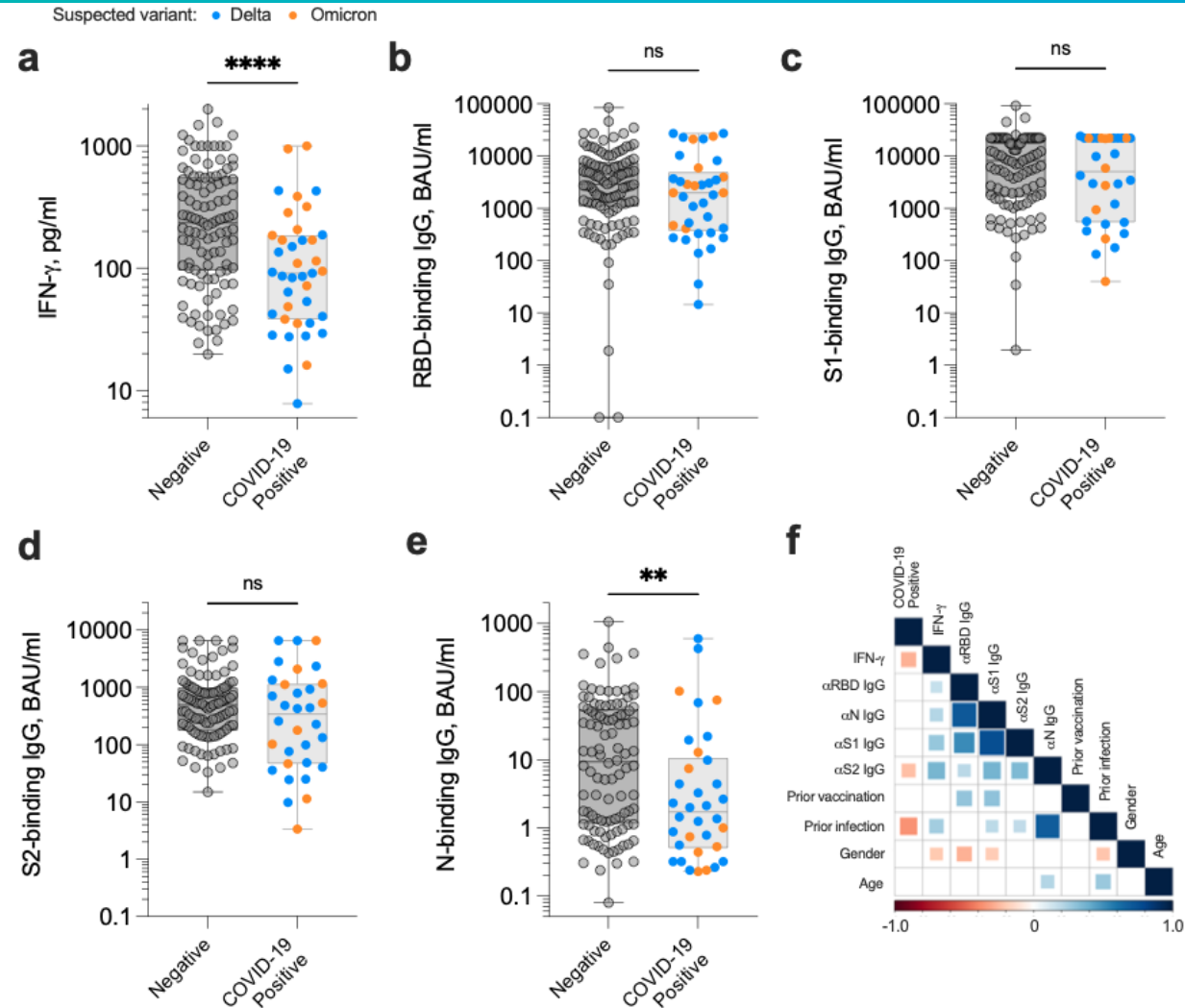


Plasma analysed for
IFN- γ / IL2 & IgG
(S1 / S2 / RBD / N)



*T cell and antibody
results reported
within 48 hours*

IFN- γ SARS-CoV-2-specific T cell responses are an effective correlate of protection



Clinical use of the COVID-19 Immuno-T™ test

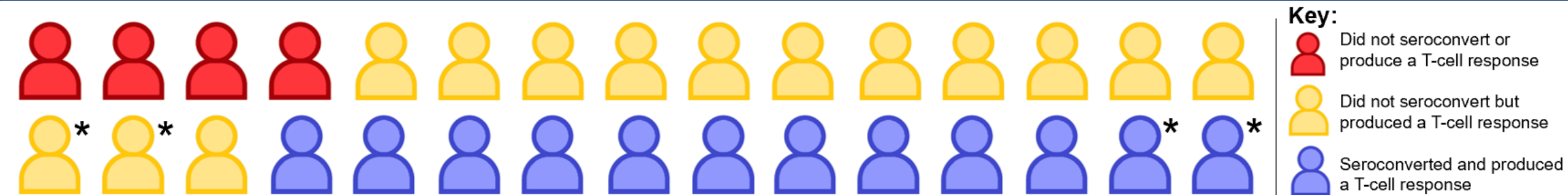
- ❑ **Whole blood-based measurement of SARS-CoV-2-specific T cells reveals asymptomatic infection and vaccine immunogenicity in healthy subjects and patients with solid-organ cancers**
Scurr M. et al. 2021. Immunology
- ❑ **COVID-19 Vaccine Response in People with Multiple Sclerosis.**
Tallantyre E. et al. 2022. Annals of Neurology
- ❑ **Response to COVID-19 booster vaccinations in seronegative people with multiple sclerosis.**
Tallantyre E. et al. 2021. Mult Scler Relat Disord.
- ❑ **Resolution of persistent SARS-CoV2 infection with prolonged intravenous remdesivir and vaccination in a patient post CAR-T.**
Ambati S. et al. 2023. International Journal of Hematology
- ❑ **Persistent COVID-19 infection in Wiskott-Aldrich syndrome cleared following therapeutic vaccination: a case report.**
Bradley R.E. et al. 2021. Journal of Clinical Immunology

T-cell response and COVID-19 infection following COVID-19 booster vaccinations in pwMS treated with ocrelizumab

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* Had COVID-19 infection between vaccine 3 and vaccine 4

Conclusions

- **The lack of severe infections in this cohort is relatively reassuring.**
- **Consistent with suggestion that T-cell responses in pwMS on ocrelizumab is a compensatory mechanism of protection.**
- **A larger cohort is needed to determine what level of protection a T-cell response confers against COVID-19 infection.**

Accreditation of COVID-19 Immuno-T™ test service



ImmunoServ
78 followers
18h · 🌐

ImmunoServ is proud to announce that it has obtained the UKCA (UK Conformity Assessed) mark for its Immuno-T At Home Blood Collection Kit. [...see more](#)

UKCA / IVD mark achieved for Immuno-T At Home Blood Collection Kit - ImmunoServ
immunoserv.com · 1 min read

James Hindley and 10 others · 3 shares

The image shows a white instruction booklet for the Immuno-T At Home Blood Collection Kit. The booklet is open, showing the UKCA (UK Conformity Assessed) mark and the IVD (In Vitro Diagnostic) mark. The booklet also features the Immuno-T logo and the text 'At Home Blood Collection Kit by ImmunoServ INSTRUCTIONS'. The booklet is placed on a white surface, and a gold-colored pen is visible next to it.

❑ **UKCA-IVD marked**

❑ **Lab ISO 9001 accredited.
Currently awaiting ISO 15189
audit.**

❑ **Capacity - 10,000 samples/month**



Available to the public at www.Immuno-T.co.uk



[What is Immuno-T?](#)

[The Science](#)

[T cells 101](#)

[Help Centre](#) ▾

[Buy Now](#)

The ground breaking new COVID-19 immunity test is here

T cells are a critical component of your immunity to COVID-19. Monitor your T cells at-home using the Immuno-T test, with less than half a millilitre of blood.

Simple Process



STEP 1

Order your test online



STEP 2

Get your test delivered within 1 week



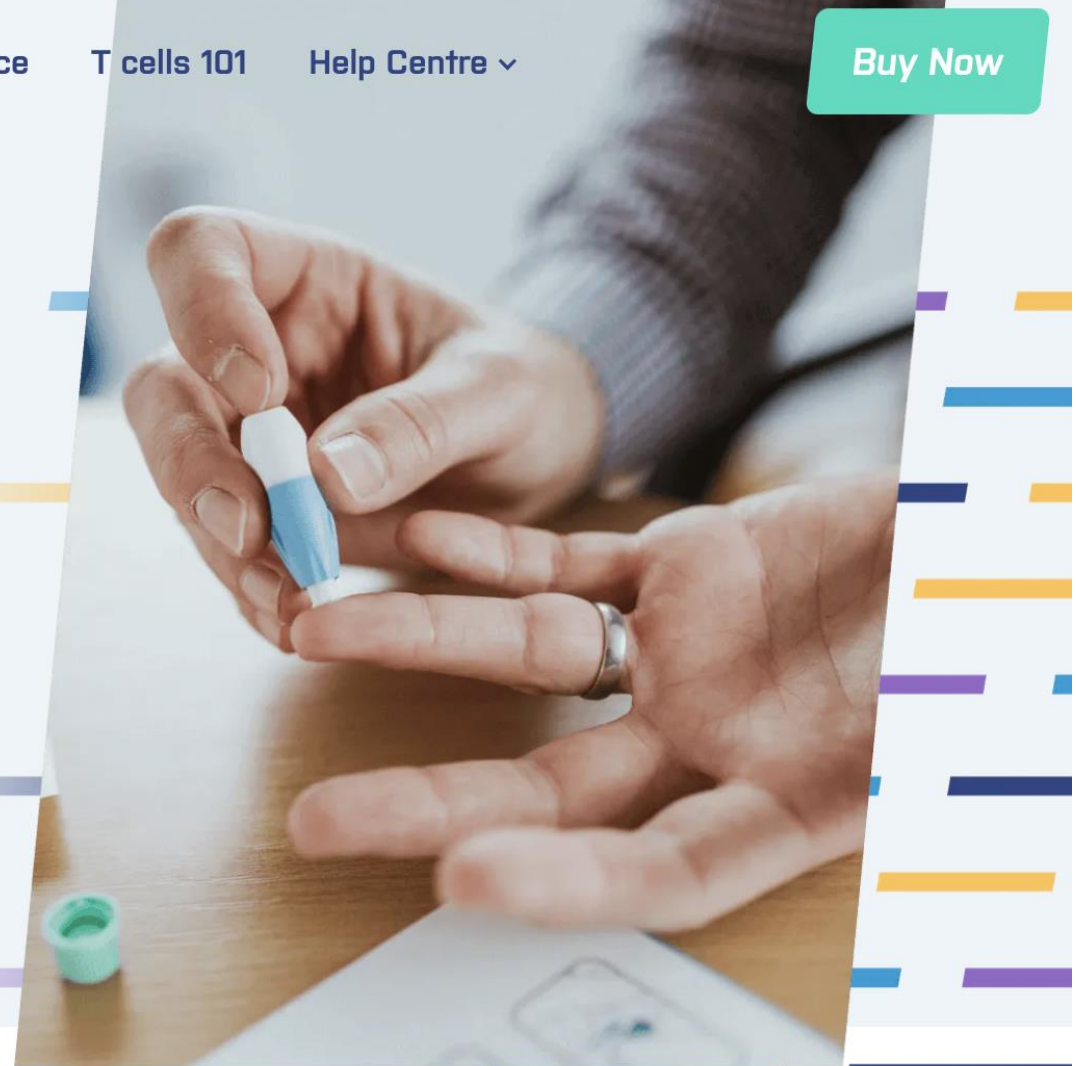
STEP 3

Post items back in the envelope provided



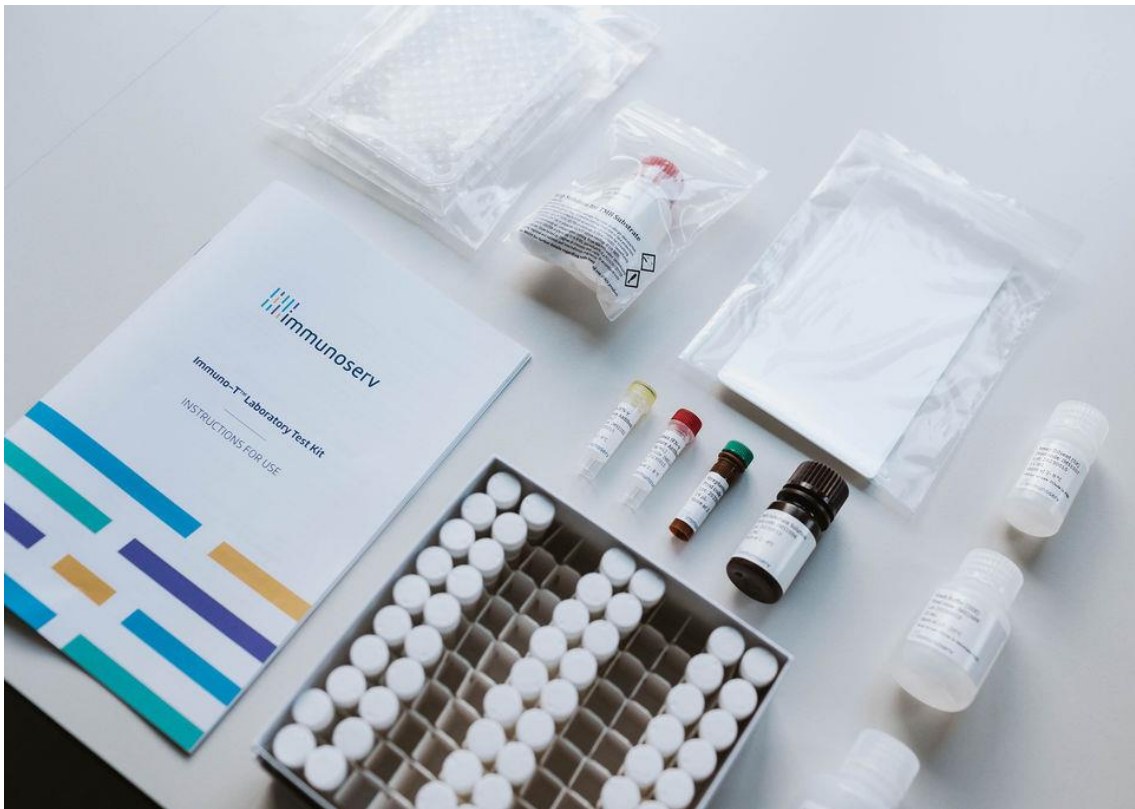
STEP 4

We'll email you with your results within 2 weeks



COVID-19 Immuno-T™ laboratory test kit

immuno-T



T cell testing should be standardised and scalable. The Immuno-T Laboratory Test Kit enables this.

- **Quantifiable Results**
- **Absolute Units**
- **Objective Readout**

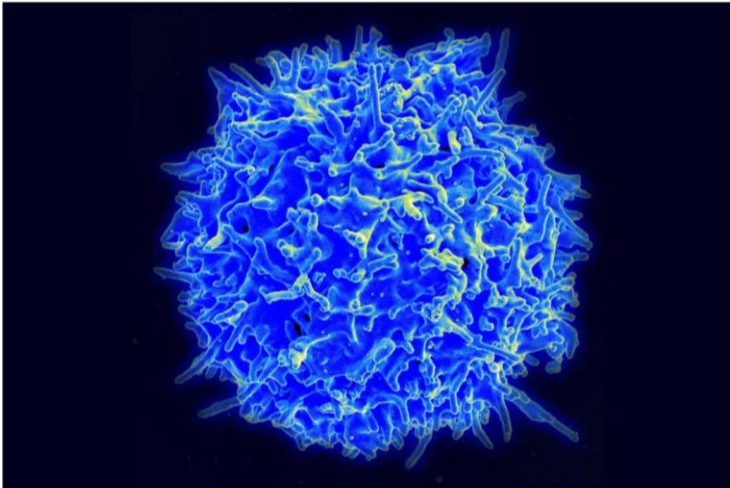
The Immuno-T Laboratory Test Kit contains all reagents required to perform T cell testing in any lab.

- **Lyophilized Peptides**
- **Complete ELISA Kit**
- **Clear Instructions**
- **Customisable Options**

Welsh Government Innovation Funding



Ariennir yn Rhannol gan
Lywodraeth Cymru
Part Funded by
Welsh Government



- Welsh Government SMART Flexible Innovation Support scheme.
- Expansion of services for monitoring cellular immune responses.
- Development of T cell tests across a range of diseases.
 - Influenza, Autoimmunity, Cancer.
- National immunity study.

immunoserv



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