



TELIMMUNE PLASMA SEPARATION CARDS

The Telimmune™ Plasma Separation Card is a 3-minute plasma microsampling method used by medical professionals to volumetrically collect and stabilize a plasma specimen from an un-measured volume of whole blood.

Immediate isolation of plasma from the cellular fraction delivers a standardized, stable plasma specimen that is not subject to metabolic variabilities sometimes associated with whole blood samples.

FEATURES & BENEFITS



Standardized collection:
whole blood to dried
plasma in 15 mins



Volumetric precision.
5% RSD



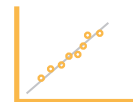
Compatible with a
96 well plate
autosampling



Plasma delivery
independent of
hemocrit



Sample stability
without cold chain
storage



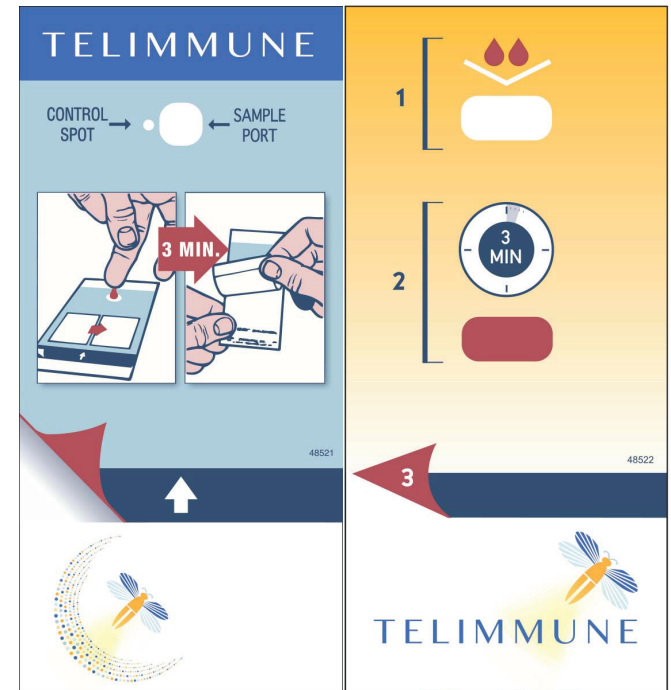
Good correlation to
conventional plasma
analysis



Ready to mail via
standard post, no
biohazard classification



Cost-contained - no
power or
centrifugation



R&D 100 Award winner and the first commercial product to produce plasma from a few drops of blood independent of a power source.

Volume Overview	Telimmune Uno	Telimmune Duo
Number of plasma specimens	1	2
Minimum blood volume required	25 µl	60 µl
Plasma volume collected per specimen	3 µl	3 µl
Total plasma volume collected per card	3 µl	6 µl

APPLICATIONS

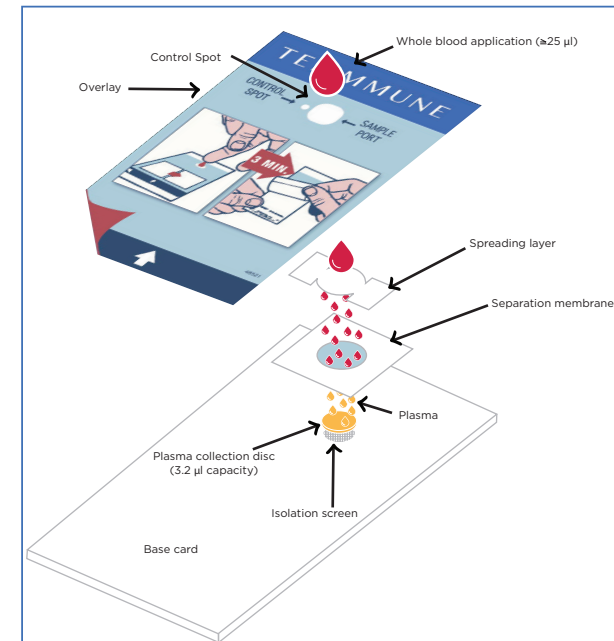
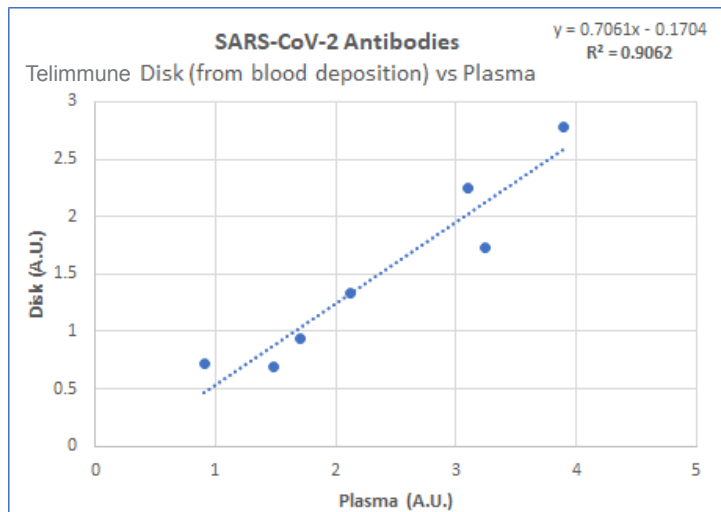
Applications for Telimmune Plasma Separation Cards include but are not limited to:

- Global and local clinical trials
- Therapeutic drug monitoring
- Sampling accessibility in the developing world
- Neonatal screening
- Population-based research
- Toxicokinetic/pharmacokinetic studies
- Epidemiology
- Biomarker analysis
- Animal research
- SARS-CoV-2 antibodies (ELISA)

PHYSICAL PROPERTIES

- Collection Matrix: Cellulose paper 6.3 mm dia.
- Size: 1.875 in. (47.6mm) X 4.0 in. (101.6mm)
- Sample Collection: Simple fingerstick
 - Unclogged venous or arterial whole blood
- > 99% removal of red blood cells
 - (based on Hb levels in plasma)
- Shelf Life: 24 months
 - -5°F to 110°F (-23°C to 43°C)
- Blood collection kits available upon request
- FDA Class 1 Device
 - Regulation Number: 864.3250
 - Product Code: NNK

APPLICATION DATA





TELIMMUNE PLASMA SEPARATION CARDS

This chart is to be utilized as an aid, but all testing and confirmation is the responsibility of the end user.

We can generalize for proteins and small molecules to some extent but at the end recovery and reliability must be evaluated for each molecule individual, or at least class of the molecules.

Assay / Component	Can Be Tested (Possible Stipulations)	No Testing
Encapsulated DNA	X	
Proteins	X	
Small Molecules	X	
Drugs of Abuse	X	
Antibodies	X	
Viruses	X	
Medicines	X	
Cell-Free DNA / RNA		X
Antigens		X

Known assays / uses for Telimmune cards include but are not limited to antibodies, vitamins, drugs of abuse, ferritin, amino acids, acetaminophen, metabolics, medicines, clinical trials, neonatal screening, epidemiology, biomarker analysis, animal research, and more.

Cell-free DNA/RNA refers to non-encapsulated DNA in the blood stream and is commonly used to identify cells such as tumors or metastasis. The cards are not suitable for use to detect cell-free DNA/RNA which requires the use of a whole blood specimen.

Please contact info@telimmune.com for additional technical questions, studies, or product information.