The Ideal Sampling Solution for **Renal Transplant Monitoring**

Capitainer®B10, 2x10µl, enables self-sampling at-home for transplant patients: more flexible follow up, increases quality of life and leads to resource savings for the healthcare system.

At home blood collection
Accurate and precise
Ship by regular post
Stability by dried format

"I would take samples at home - gladly. I wouldn't mind doing it every month instead of every three so I had a better idea of how I'm feeling and then I could be proactive and do something about things so I don't have to get hospitalized."

Renal transplant patient in Capitainer survey 2022

Get Inspired by Oslo University Hospital

Nephrologists at Oslo University Hospital pointed out a panel of Tacrolimus, Creatinine and Haemoglobin as diagnostic tests of the highest priority to reduce the number of hospital follow-up visits by home sampling and telemedicine.

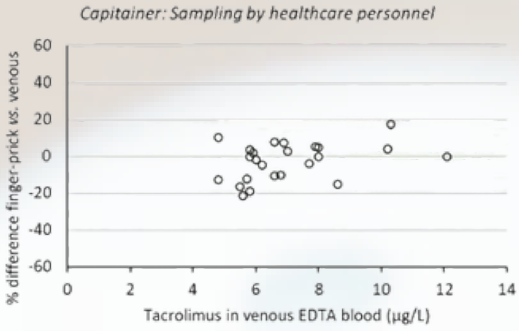
Method developed from two spots in one *Capitainer®B10* cards showed:

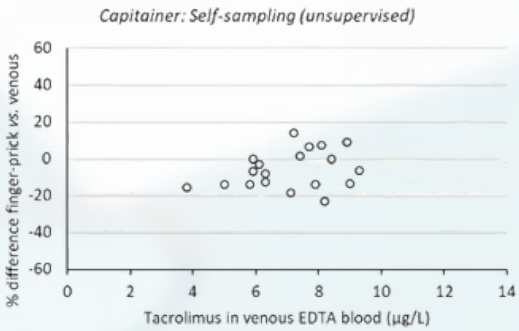
- Analytical quality within acceptance criteria for all three parameters
- Successful sampling at 92-96%
- High corelation to venous blood samples.

Proportions within ±20% (Tacrolimus) and ±15% (Creatinine and Haemoglobin) difference of venous samples;

- Tacrolimus 79%–96% (measurements and predicted area under the curve)
- Creatinine 92%–100%
- Haemoglobin 93%–100%

"The quality of the dried blood samples was consistent for Capitainer in the situations where healthcare personnel performed the sampling and where the patients collected the samples themselves"





Similar results with identical quality with in hospital as at-home sampling was also achieved for creatinine and hemoglobin

Reference:
Vethe, NT et al. Clinical performance of volumetric finger-prick sampling for the monitoring of tacrolimus, creatinine and haemoglobin in kidney transplant recipients. Br J Clin Pharmacol. 2023; 1-12. https://doi:10.1111/bcp.15870.

Additional publication:
Simultanous detection of Tacrolimus, Sirolimus, everolimus, cyclosporin A and creatinine from qDBS (10 µL) samples.
Deprez et al. Liquid chromatography-tandem mass spectrometry for therapeutic drug monitoring of immunosuppressants and creatinine from a single dried blood spot using the Capitainer® qDBS device,
Analytica Chimica Acta, Volume 1242, 2023, 340797, ISSN 0003-2670, https://doi.org/10.1016/j.aca.2023.340797.