Advanced precision microsampling for COVID-19 research

As the world’s science and medical communities collaborate to solve this global challenge, Trajan Scientific and Medical would like to introduce hemaPEN® as an advanced microsampling research tool.

- Longitudinal biomonitoring
- Clinical trials
- Diagnostic development
- Vaccine development
- Virus DNA/RNA
- Serology

Volumetric microsampling
Collect whole blood

Volumetric accuracy and precision
- Four (2.74 µL) volumetrically accurate and precise whole blood on DBS
- Enables:
  1. replicates from single sample source
  2. longitudinal testing
  3. quantitative results, and
  4. frequent testing.

Simplicity of use
Remote sampling, designed for home use

Simplified logistics
- Samples are contained
- Can be shipped without refrigeration

Leverage established DBS protocols
- hemaPEN uses the industry standard DBS paper
- Format suitable for standard chromatographic and ligand binding processes for the quantification of biomarkers such as immunoglobulins, cytokines, etc.

Analyte class | Instrumentation | Reference
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Cytokines and induced analytes (IL-6, CRP, IL-1β, IL-8, IL-12, IL-18, IFN-γ, and TGF-β) | Ligand binding assay | Miller, E.M., and McDade, T.W. (2012), Am J Hum Biol, Nov-Dec;24(6):863-5. doi: 10.1002/ajhb.22324

Product features
- Sample type: Whole blood
- Storage format: Dried
- Sample volumetric accuracy: 2.74 µL ±5% (0.14 µL)
- Volumetric precision: CV <2.5% (interdevice)
- Number of samples collected: 4
- Capillary specification: K2 EDTA-coated borosilicate Type 1 USP
- Substrate dimensions: 3.5 mm diameter
- Substrate: 226® or 903®
- Shelf life: One year

For more information visit www.hemapen.com

hemaPEN is registered in Australia (ARTG number: 280007). EU and FDA registration are pending. hemaPEN has been independently validated, and enables conformance to FDA / EMA bioanalytical guidelines.

In the EU and USA, hemaPEN® is a device supplied for research purposes only. This device is not for therapeutic or diagnostic use.

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