

Microsampling | hemaPEN®

hemaPEN® provides a convenient sampling procedure for collection and storage of four dried blood spot (DBS) samples to drive information-rich decision making.

Unlike conventional DBS sampling tools, hemaPEN enables collection of an accurate and precise fixed micro-volume, and is designed to maintain sample integrity for quantitative analysis.

An easy-to-use sophisticated microsampling tool in the hands of non-analysts.

Features and benefits

- Pen-like design for intuitive use.
- Ability to collect blood from any source.
- Capillary-based technology enables autonomous accurate fixed volume collection.
- Four replicate samples from a single source.
- Eliminates analytically relevant hematocrit bias.
- Single-use and tamper-resistant.
- Contained sample to minimize contamination.
- Consistent sample drying profile.
- Dried format for simplified storage and logistics.
- Samples integrated directly into analytical workflow.
- Sample cartridge compatible with standard 96-/24-well plates.
- 2D barcode and individual device serial number for traceability and chain of custody.
- Space available for customized laboratory labelling.

Recommended applications

- Quantitative analysis
- Small volume sampling
- Frequent sampling
- Remote sampling
- Blood sampling



Product specifications

hemaPEN functionality remains consistent independent of substrate. Each hemaPEN is identified through a specific model number which references substrate material, volume of capillaries and hemaPEN model type.

Substrate	Volume reference	Model	Model number
D* = 226™	+ 300 = 2.74 µL	+ S = Standard (base model)	= D300S
W† = 903®	+ 300 = 2.74 µL	+ S = Standard (base model)	= W300S

*226™ supplied by PerkinElmer Pty Ltd. 226™ is a trademark of PerkinElmer, Inc or its affiliated entities.

†903® 100% cotton fiber supplied by Eastern Business Forms, Inc. 903® is a registered trademark of Eastern Business Forms, Inc.

Technical data

Product features	
Sample type	Whole blood
Storage format	Dried
Sample volumetric accuracy	2.74 ±5% 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™ supplied by Perkin Elmer Pty Ltd, or 903® supplied by Eastern Business Forms, Inc.
Shelf life	One year
Material and colors	
Product color	White main body, a clear plastic tip and base and a green indicator stripe
Packaging	
Units/pack	Provided as a single unit per pack
Pack dimensions	160 mm x 230 mm x 50 mm

For more information about this product visit www.hemapen.com or contact techsupport@trajanscimed.com