Sample collection
A range of innovative and user friendly sample collection solutions
The benefits of using DBS technology include the ability to collect blood samples from anyone anywhere, it’s less invasive compared with traditional phlebotomy samples and can be shipped via standard mail. It doesn’t require cold chain transportation.

**Simple | Convenient | Accurate**

**Nutripore™ collection cards**

Trajan manufactures a suite of Nutripore™ dried blood spot (DBS) testing cards for the analysis of essential fatty acids and fat- and water-soluble vitamins.

User friendly, small volume sample collection for nutritional testing.

**Identifiers:**
- QR/Code/ Patient ID - for correct patient information
- Card - stabiliser added to protect fatty acids from oxidation
- Easy to use instructions

**Stability studies**

Stability tests of DBS cards are satisfactory when CV% of fatty acid profiling results on stored cards show a variation of less than 15% when compared with cards just manufactured.

**Stability tests of Nutripore cards.**

<table>
<thead>
<tr>
<th></th>
<th>Room temperature (20-23°C) CV (%)</th>
<th>30°C CV (%)</th>
<th>40°C CV (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total N-3</td>
<td>6.3</td>
<td>8.9</td>
<td>9.1</td>
</tr>
<tr>
<td>Omega-3 Index</td>
<td>3.7</td>
<td>5.1</td>
<td>4.9</td>
</tr>
<tr>
<td>AA/EPA</td>
<td>8.7</td>
<td>10.1</td>
<td>8.6</td>
</tr>
<tr>
<td>N-6/N-3</td>
<td>3.7</td>
<td>4.7</td>
<td>4.5</td>
</tr>
</tbody>
</table>

CV% variation on cards stored for 3 months at different temperatures.
Collection kits

Trajan Nutrition can offer customized collection kits with customer branding or logos and kit components. These can include:

- DBS card
- Instructions for Use
- Reply paid postage envelope
- Lancets
- Alcohol swabs
- Bandages
- Customized packaging

hemaPEN® advanced precision microsampling

Convenience
- Intuitive pen-like design
- Collect blood from any source
- Rapid sample collection
- Remote sampling

Volumetric accuracy and precision
- Capillary-based technology enables autonomous accurate fixed volume collection
- Four replicates from a single source
- Eliminate analytically relevant hematocrit bias
- Enables quantitative analysis

Sample integrity
- Single use and tamper-resistant
- Contained sample to minimize contamination and prevent human contact
- Integrated desiccant enables consistent sample drying profile
- Dried format for simplified storage and logistics (no cold-chain)

Laboratory integration
- Customizable cartridge design integrates into microtiter plate formats
- Custom analytical workflow integration or automation solutions support
- 2D barcode supports chain of custody
- Space available for customized laboratory labelling

A range of innovative and user friendly sample collection solutions
Trajan’s solutions

Analyze your DBS cards with our fast, precise and cost effective analytical methodologies, regardless the DBS sample collection method. Testing is easy with our user friendly and customized kits and devices:

- Trajan sample kit and card
  - Finger prick:
    Just take a finger prick spot of blood, apply to our collection card and post to the laboratory.
  - Venepuncture:
    If you have taken a venepuncture to analyze other parameters, just apply on the card a spot of blood, serum, breast milk or plasma and post the card to the laboratory.

- hemaPEN®
  Collect four replicates of blood onto dried blood spots (DBS) from our hemaPEN®, and post it to the laboratory.

Trajan is your partner for nutrition testing, operating globally with R&D centers, manufacturing facilities, commercial operations and customer support facilities in Australia, USA, UK, Europe, Japan and Malaysia.

Visit us at www.trajanscimed.com or contact your regional Trajan representative for assistance and further information.

Trajan Scientific and Medical

Science that benefits people

Trajan is actively engaged in developing and delivering solutions that have a positive impact on human wellbeing. Our vision revolves around collaborative partnerships that improve workflows, delivering better results.