Syringes for PAL RTC instruments

The right syringe for your PAL RTC autosampler
Achieve the best results from your PAL RTC instrument by using syringes designed and developed in collaboration with the instrument manufacturer.

**Syringes for PAL RTC instruments**

**The right syringe for your autosampler.**

- Diamond syringe benefits, including longer syringe life, improved solvent resistance, greater temperature range and increased operational smoothness.
- Vibrant color scheme – distinct color-by-volume system for easy identification of installed syringes.
- Comprehensive range:
  - 0.5 μL – 10 mL
  - Fixed and removable needle options
  - Metal and PTFE tipped (gas tight) plunger options
  - GC and LC syringes
  - Headspace applications
  - Standard (57 mm), Extended (85 mm) and Headspace (65 mm) needle lengths

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefits</th>
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<tr>
<td>Developed in collaboration with the instrument manufacturer</td>
<td>Confidence the syringe specifications perfectly match your instrument’s requirements.</td>
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<td>Plunger button adjustment</td>
<td>Improved accuracy and precision, lower dead volume.</td>
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<td>Metal or replaceable PTFE- tipped (gas tight) plungers</td>
<td>Application specific choice, offering improved chemical compatibility and reduced overall costs (replace PTFE-tipped plunger rather than entire syringe).</td>
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<td>Ultra-smooth internal glass barrel surface</td>
<td>Reduces potential for carryover. Improves the cleanability and therefore longevity of the syringe.</td>
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<td>Replaceable needle option</td>
<td>Increased application specific flexibility.</td>
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<td></td>
<td>Reduced overall costs (replace the needle rather than the entire syringe).</td>
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<td>Color coded syringes</td>
<td>Syringe is easy to identify, even when installed in an instrument.</td>
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New potential in headspace analysis

With Diamond Headspace Syringes for PAL RTC Instruments from CTC Analytics, achieve outstanding reproducibility while saving time, and improving workflow.

- Reproducibility - a unique energized plunger tip design ensures a gas tight seal is consistently maintained providing outstanding performance and longevity with temperature cycling.
- Operating temperature – premium performance continues even when temperature cycling up to 150°C.
- Save time and improve workflow – extended equilibration times are not required. Reduced carryover minimizes the time used flushing and washing syringes.
The right syringe for your PAL RTC autosampler

To enable selection of the correct syringe for your instrument, a number of resources are available, including a needle selection guide and syringe care guide.

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