

## The Right Syringe for Your System



### Syringes for LEAP Autosamplers

- Comprehensive range for both GC and LC applications
- Diamond syringe durability, accuracy and clarity
- Developed, tested, proven



# Syringes for LEAP Autosamplers

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### LEAP Technologies, directly supporting syringes for your instruments.

LEAP Technologies became part of the Trajan family in April 2016. LEAP and Trajan's involvement in all areas of chromatography provides a unique understanding of customers' requirements for optimum syringe design.

LEAP compatible instrument syringes are manufactured by Trajan, under the SGE brand, to ensure you receive recommended parts, direct from the manufacturer, supporting your laboratory workflow.

Combining over 50 years of syringe manufacturing and 25 years of workflow automation experience, you can be sure that choosing Trajan's SGE Diamond Syringes will guarantee the results you need.

### The Perfect Match for Your Instrument

Specifications of the syringes are exactly matched to instrument holders to ensure proper fit and reliable functioning. LEAP recommended range of autosampler syringes specifically for your instrument:

Supported instrument ranges

- PAL RTC and PAL3
- CombiPAL, GC PAL, PAL GC-xt and PAL Combi-xt
- HTC, HTS, PAL HTC-xt, PAL HTS-xt and PAL HTX-xt



Look for the diamond mark - the mark of syringe brilliance

## Are There Diamonds in Your Laboratory?

SGE Diamond Syringes offer a superior level of durability, clarity and accuracy in the laboratory. The comprehensive range includes options suitable for gas and liquid samples in various applications including precise liquid handling, HPLC, GC, life sciences and clinical research. No other syringe manufacturer provides such a broad range of capabilities.

## Durability, Accuracy and Clarity

SGE Diamond Syringes for LEAP autosamplers offer a range of benefits, including longer syringe life, improved solvent resistance, greater temperature range and increased operational smoothness.

- Comprehensive range for both GC and LC applications
- Instrument syringes are color coded by capacity, enabling easy identification when installed
- Syringe capacities from 0.5  $\mu$ L to 5 mL
- Fixed and removable needle versions
- Several needle tip styles to suit your application requirements
- Needle lengths of 50mm, 51mm, 57mm, 65mm and 85mm
- Metal and PTFE tipped (gas tight) plunger options
- PTFE plunger seal option for smooth, leak free operation - suitable for both liquid and gas samples, with replaceable plungers
- Headspace syringes with unique energized plunger tip for no dead space and reduced carryover

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

Color Code for SGE Diamond Instrument Syringes

Color	Syringe Volumes			
Yellow	1000 nL (1 $\mu$ L)		1 mL	1000 mL (1 L)
Lime	5000 nL (5 $\mu$ L)	5 $\mu$ L	5 mL	
Dark Orange		10 $\mu$ L	10 mL	
Green		25 $\mu$ L	25 mL	
Purple		50 $\mu$ L	50 mL	
Aqua		100 $\mu$ L	100 mL	
Grey		250 $\mu$ L	2.5 mL	2000 mL (2 L)
Light Orange	500 nL (0.5 $\mu$ L)	500 $\mu$ L		500 mL (0.5 L)

Achieve the best results from your autosampler by using syringes designed and developed in collaboration with the instrument manufacturer

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### SGE syringes by Trajan

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SGE Analytical Science (SGE) is a world renowned brand for components and consumables used in scientific analysis.

Primarily in the field of scientific glass engineering for liquid handling and separation science, since its beginnings in 1960, SGE has become the global market leader in niche areas such as autosampler syringes and GC inlet liners.

Completing the transition into Trajan after acquisition in 2013, SGE products make up a solid foundation of Trajan's portfolio and will continue to be created and supported by Trajan customer service and distribution networks worldwide.

### LEAP part of the Trajan family

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LEAP Technologies became part of the Trajan family in April 2016.

Together, we can make a positive impact on human wellbeing by improving developments for laboratory automation and workflow.

LEAP was formed in 1989 Carrboro, NC, in order to serve the automation needs of analytical laboratories in the fields of research and development, life science, environmental, diagnostic, pharmaceutical, polymer, food processing, forensic, and academia.

For more information visit [www.leaptec.com](http://www.leaptec.com),  
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**Your all-in-one support for innovative instruments and consumables**

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