

#### Introduction

This syringe has been engineered and proven to provide the best possible user experience.

Key benefits of SGE syringes are:

- Longer life
- Superior performance and robustness
- Reduced carryover

#### Bruker/Varian 8035, 8100 and 8200 autosamplers

Syringe part number 002924 - 10R-GT-VA8X-2.

*Note: When using part no. 002924 in an 8035 autosampler the needle fitted when supplied should be changed to part no. 037776 (bevel tipped needle, which is also supplied).*

In order to maintain optimum performance and long life, a few simple care issues should be considered.

#### Specifications

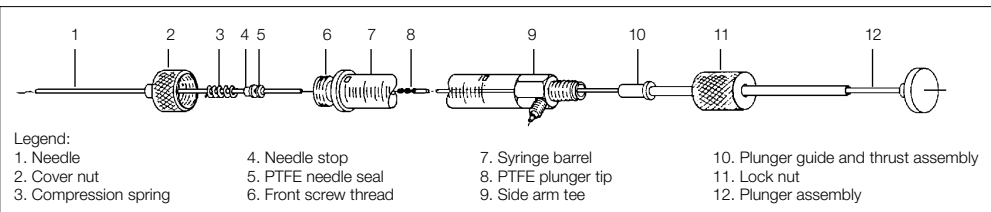
- Temperature: Maximum 70°C.
- Accuracy and reproducibility:  $\pm 2$  % of displaced volume at full scale.

#### Instructions

- Always inspect the syringe before use. Check the barrel for cracks and the needle tip for burrs.
- To ensure accuracy, the smallest injected volume from any syringe should be no less than 10 % of its total capacity.
- Do not expose the syringe to strong acids, bases or highly polar solvents for an extended period of time.
- Do not expose the syringe to sudden changes in temperature.

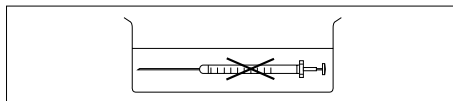
#### Syringe installation

- Consult your Bruker/Varian manual for an overview of syringe installation.



#### Clean and care

- Syringe cleaning agents will usually depend on the contaminating material. Methanol, methylene chloride, acetonitrile and acetone are commonly used solvents for cleaning.
- After the syringe has been cleaned, rinse the syringe with acetone, remove plunger and air dry.
- Clean externally by wiping with a tissue.
- Do not immerse the entire syringe in solvent as this may damage the adhesive used to bond parts of the syringe.



- The following syringe needle cleaning product is available:
  - Needle cleaning kit: The kit contains a range of stylet wires for needle cleaning, tweezers and a surfactant material for barrel cleaning.
- Sterilization modes:
  - Autoclave: Remove plunger from the barrel prior to autoclaving. Set autoclave to a maximum temperature of 100°C. Allow syringes to reach to room temperature before inserting the plunger back into the barrel.
  - Gas: Use ethylene oxide.

#### Needle and plunger care

- Avoid unnecessary movement of the plunger when the syringe is dry.
- Never force the plunger.
- Wipe plunger with a lint free tissue before replacing into the syringe. Be careful not to bend the plunger.

## Replacement

### Plunger replacement

- Replacement plungers are available.
- To replace the plunger:
  1. Unscrew the lock nut (11) and remove the plunger (12) and plunger guide/thrust assembly (10) from the syringe barrel.
  2. Slide the lock nut (11) and plunger guide/thrust assembly (10) carefully off the end of the plunger (12).
  3. Slide the lock nut (11) and plunger guide/thrust assembly (10) onto the new plunger (12).
  4. Carefully slide the plunger (12) through the side arm tee seal (9) into the barrel (7), taking care not to damage the PTFE plunger tip (8).
  5. Screw the lock nut (11) onto the side arm tee (9) and lightly tighten to create a seal.

⚠ **Warning** Do not over tighten. Over tightening may cause the plunger to jam and/or cause excessive seal wear.

### Needle replacement

- A range of replacement needles are available.
- To replace needles unscrew front cover nut and spring, remove needle. Carefully insert replacement needle into the front of the syringe, slide spring and cover nut over the needle and screw nut onto the front screw of the syringe barrel.

## Storage

- To protect against breakage store the syringe in its original packaging or on a syringe rack.
- Always thoroughly clean the syringe and ensure that it is dry before storage.

## Warranty

All Trajan Scientific and Medical syringes are warranted to meet the stated quality and performance specifications and to be free of defects in material or workmanship. The warranty implies free replacement of a defective syringe only upon proper written proof of the defect and if requested by Trajan Scientific and Medical the return of the defective product in its original packaging. It does not apply to mishandling of product by the customer, either in storage or use.

- Do not return any syringe that has been used with radioactive, infectious or hazardous materials.
- Do not return any syringe unless requested to do so by an authorized Trajan representative.
- Any syringe being returned must be clearly marked with a return authorization number, which is available from your Trajan representative.

## Conformance statement

Trajan syringes are manufactured under a documented Quality Management System. All in-process measuring equipment and instrumentation is maintained and calibrated in accordance with stringent quality standards. Trajan warrants syringe displacement within the stated conformity specifications.

## Information and support

Visit [www.trajanscimed.com](http://www.trajanscimed.com) or contact [techsupport@trajanscimed.com](mailto:techsupport@trajanscimed.com)

*Specifications are subject to change without notice.*

*Analytical syringes manufactured by Trajan Scientific and Medical are intended for analytical and laboratory use only and are not intended or approved for use with food, including the production or packaging of food, nor medical or human in-vivo use.*