

Introduction

This syringe has been engineered and proven to provide longer life, superior performance and robustness and reduced carryover.

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

Specifications

- Temperature: 5-100°C.
- Accuracy and reproducibility: \pm 1% of displaced volume.

Instructions

- Always inspect the syringe before use. Check the barrel for cracks and the needle tip for burrs.
- To make an injection, over fill the syringe then press the plunger until the correct volume is reached. Draw the plunger back slightly then wipe the needle tip with a lint free tissue. Make injection or dispense.
- To ensure accuracy:
 - For sample and injection volumes of 25 μ L or less the 100 μ L MEPS syringe should be used.
 - For sample and injection volumes larger than 25 μ L the 250 μ L syringe should be used.
- To remove bubbles turn the syringe upright, tap the side of the barrel to dislodge the bubbles and then expel them from the syringe.
- To eliminate carryover between samples, flush the syringe with 50 μ L of eluent solution 4-5 times followed with 50 μ L of wash solution 4-5 times.

Clean and care

Syringe care

- Remove BIN before cleaning the syringe.
- 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.
- Do not immerse the entire syringe in solvent as this may damage the adhesive used to bond parts of the syringe.
- Clean externally by wiping with a tissue.
- Sterilization modes:
 - Autoclave: Remove plunger from the barrel prior to autoclaving. Set autoclave to a maximum temperature of 100°C. Allow syringes to come to room temperature before inserting the plunger back into the barrel.
 - Gas: Use ethylene oxide.

PTFE tipped plunger care

- Avoid cycling the plunger when the syringe is dry.
- Replacement PTFE tipped plungers are available.

Replacement

MEPS BIN replacement

- When the sorbent is exhausted, or another phase is required, the BIN is easily exchanged by simply unscrewing the locking nut and removing the BIN.
- When replacing the BIN ensure the locking nut is not over tightened as this may deform the PTFE sealing ring and cause air to be drawn into 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 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.

For applications requiring individual syringe calibration, Trajan Scientific and Medical offers a factory calibration service.

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 or contact 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.