

Introduction

The SGE MS syringe range is designed to improve the sensitivity of your MS result. These are Trajan's cleanest and most easily cleaned available.

- Lowest syringe carry over.
- Reduced non specific sample interaction and increased analyte recovery.
- Ultra smooth removable needles with choice of surface treatment.

This syringe is a precision instrument - in order to maintain optimum performance and long life, a few simple points of care are recommended.

Specifications

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

Note: To maximize accuracy, the smallest injected volume should be no less than 10 % of a syringe's total capacity.

Instructions

Your SGE MS syringe has been treated with a proprietary cleaning process. Maintain the cleanliness of your syringe by using gloves when handling.

- Prevent damage and contamination to the seal of the needle and syringe by avoiding touching the sealing surfaces.
- Take care not to damage your SGE MS syringes by ensuring the plunger is not fully depressed until the needle has been installed. Fit the PTFE plug when the needle is removed.

Always inspect product before use. Check the syringe barrel for cracks, and the needle tip for burrs. Avoid cycling the plunger when the syringe is dry.

Unscrew the protective PTFE plug supplied with the syringe and replace it with your chosen ultra smooth needle being careful not to damage the parts.

Note: SGE MS needle screws are color coded for easy identification:

- Purple – Ultra smooth
- Blue – Ultra smooth with hydrophilic coating
- Red – Ultra smooth with hydrophobic coating

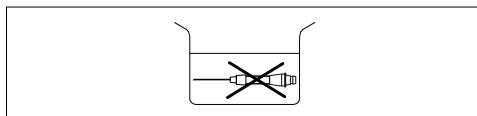
For optimal needle selection, consider your sample matrix.

Ensure you have the correct sized needle for your syringe. Two needle seal designs cover the complete syringe range from 10-500 μL . The small seal suits 10-50 μL syringes, the large seal suits 100-500 μL syringes.

Clean and care

Syringe cleaning agents will depend on the contaminating material. Commonly used solvents are methanol, acetone and methylene chloride.

Do not immerse the entire syringe in solvent, the syringe may be cleaned externally by wiping with a lint-free tissue.



Replacement

Replacement plungers and needles are available for SGE MS syringes.

Storage

Always thoroughly clean the syringe before storage.

To protect against breakage store the syringe in its original packaging or on a syringe rack.

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 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..