

High Sensitivity Single-Cell Sample Introduction System for ICP-MS



The Glass Expansion Single-Cell Sample Introduction System (SC-SIS) has been used for single-cell, single particle and nanoparticle studies with reported transport efficiencies of up to 95%. The unique design consists of a high efficiency nebulizer, low-volume, on-axis spray chamber and a patent pending MicroJet gas adapter that entrains and shapes the nebulizer aerosol plume.

Learn more at: www.geicp.com/SC-SIS



GLASS EXPANSION
Quality By Design

31 Jonathan Bourne Drive, Unit 7, Pocasset, MA 02559
Toll Free (US): **800 208 0097** Web: www.geicp.com
Email: geusa@geicp.com

Glass Expansion's SC-SIS Kit Features:



A high efficiency, low uptake rate (15 to 45uL/min), concentric glass nebulizer designed to nebulize limited sample volumes and single-cell suspensions without compromising cell integrity at low argon gas flow rates (0.35L/min). Includes inert, metal-free, zero dead volume fittings to provide reliable leak-free connections.



A low-volume, on-axis spray chamber directly couples to the ICP-MS torch, providing the highest transport efficiency and excellent washout between samples.



Our patent pending MicroJet gas adapter, which shapes the nebulizer aerosol plume to reduce sample deposition on the spray chamber walls and enhance transport efficiency.



An instrument specific mounting bracket to support and install the SC-SIS Kit, ensuring proper alignment of the laminar flow spray chamber.

SC-SIS Kits Ordering Information:

Part Number	Description
KT-1155	Single-Cell Sample Introduction System for Agilent® ICP-MS
KT-1172	Single-Cell Sample Introduction System for Thermo® ICP-MS
KT-1172	Single-Cell Sample Introduction System for TOFWERK icpTOF
KT-1184	Single-Cell Sample Introduction System for PerkinElmer® NexION 1000/2000/5000 ICP-MS
KT-1204	Single-Cell Sample Introduction System for PerkinElmer® NexION 300/350 ICP-MS
KT-1205	Single-Cell Sample Introduction System for NU ATTOM MC-ICP-MS