

High Efficiency Sample Introduction System (HE-SIS)



Originally designed as a highly efficient single-cell sample introduction system, Glass Expansion's HE-SIS has been redesigned to provide superior performance across a wide variety of applications, including single-cell, single particle, nanoparticle, and low-volume sample studies, with up to 95% transport efficiency.

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



GLASS EXPANSION
Quality By Design

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Glass Expansion's HE-SIS Kit Features:



This specially designed concentric glass nebulizer is based on our popular MicroMist™ design, capable of efficiently nebulizing limited sample volumes at low sample and argon gas flow rates.



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.



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



Every HE-SIS is designed to suit a specific instrument model, which includes a mounting bracket support, ensuring proper alignment of the laminar flow spray chamber.

HE-SIS Ordering Information:

Part Number	Description
KT-1155	HE-SIS for Agilent ® ICP-MS
KT-1172	HE-SIS for Thermo ® ICP-MS
KT-1172	HE-SIS for TOFWERK icpTOF
KT-1184	HE-SIS for PerkinElmer ® NexION 1000/2000/5000 ICP-MS
KT-1204	HE-SIS for PerkinElmer ® NexION 300/350 ICP-MS
KT-1205	HE-SIS for NU ATTOM MC-ICP-MS
KT-1213	HE-SIS for Thermo ® X-Series
KT-1215	HE-SIS for Thermo ® Neptune/Element
KT-1219	HE-SIS for NU Vitesse