

TRUSTED ADVICE AT YOUR FINGERTIPS

ICP-MS Online Resource Library



5 top tips

for flawless ICP-MS
performance

Inaccurate standards, damaged interface cones, or nebulizer blockage can affect the productivity of your analysis and your lab's success over time. Here are five easy tips for keeping your ICP-MS performing flawlessly from start to finish.



Prevent nebulizer blockage

Prefilter samples, optimize the autosampler probe height, and use only lintless wipes. Also, thoroughly rinse the nebulizer between samples—and at the end of each run.

www.agilent.com/chem/nebulizer



Pay attention to the interface cones

Maintain high sensitivity, low background, and long-term stability by using proper cleaning techniques and conditioning cones before analysis. www.agilent.com/chem/interface-region



Keep it clean

Enhance long-term performance and reduce contamination by using the right cleaning techniques for the spray chamber and torch, and optimizing the plasma sampling depth. www.agilent.com/chem/torch-box



Set high standards

Ensure precise, accurate calibration data by preparing standards fresh from certified reference materials with known uncertainty. Only use high-purity reagents and de-ionized water to reduce contamination.

www.agilent.com/chem/standards



Don't neglect the pump tubing

Improve precision and QC data by inspecting the peristaltic pump tubing regularly, and replacing when needed.

www.agilent.com/chem/sample-intro

Find out what parts are associated with your system.

www.agilent.com/chem/agilentresources

Visit the Agilent ICP-MS Online Resource Library for an in-depth look at putting these tips into practice:

www.agilent.com/chem/icp-ms-resource

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