

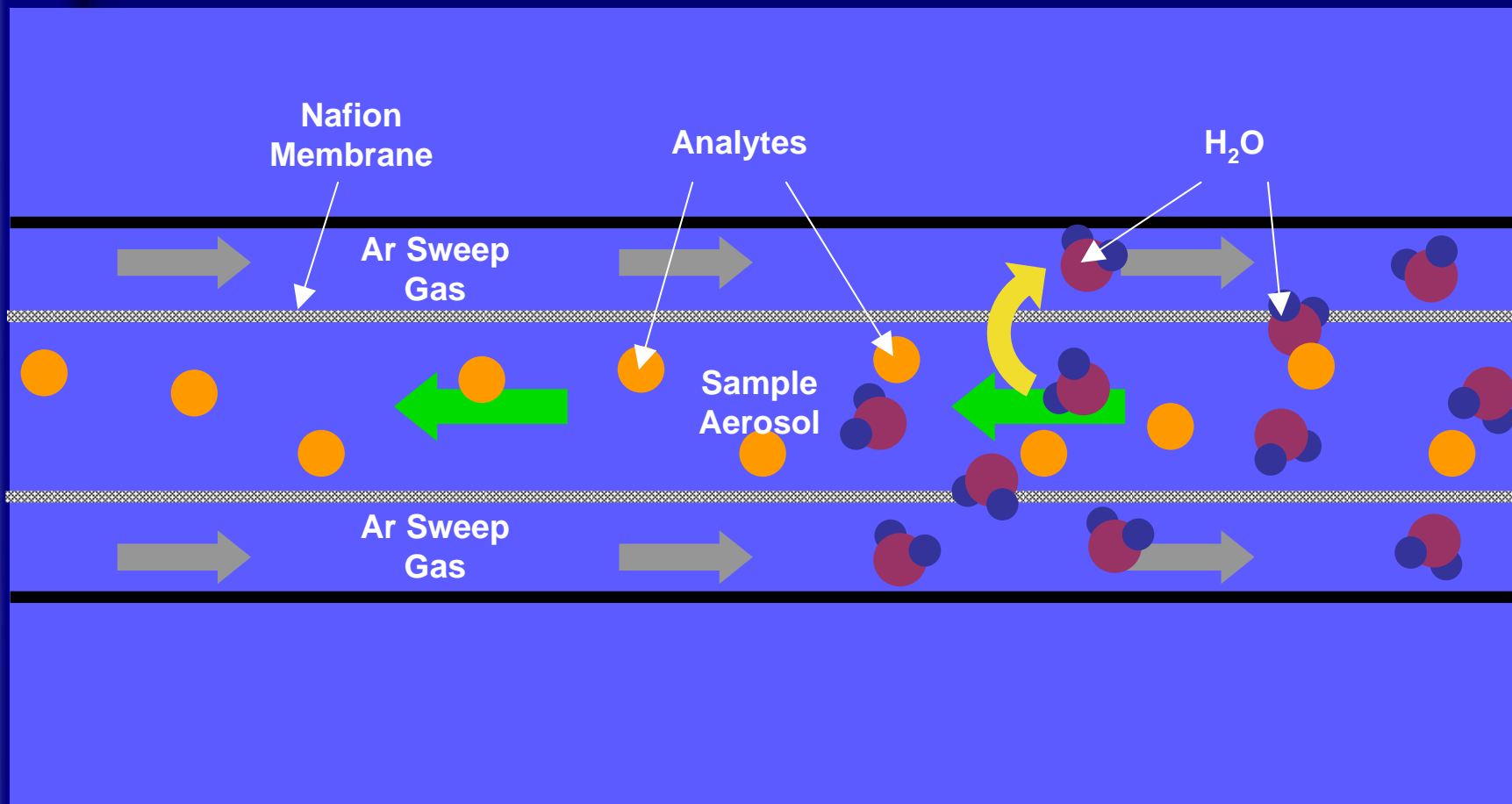
ACM Module

Peltier Cooled Nafion Membrane Desolvator

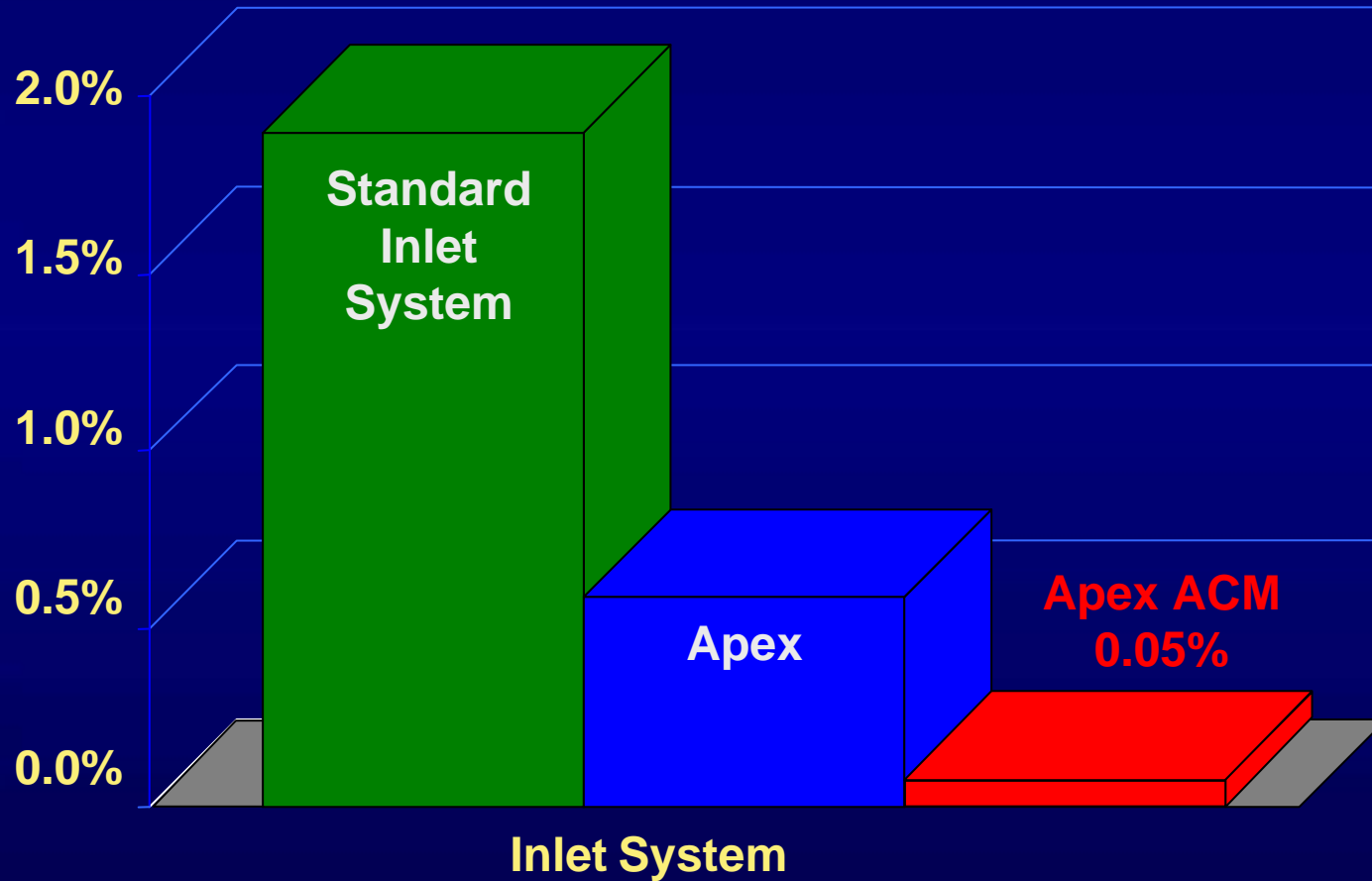
- Microporous Nafion fluoropolymer
 - Removes water without loss of analytes
 - Chemical resistance similar to Teflon®
- Improved Desolvation Efficiency
- Attaches directly to any Apex
- Reduces oxides and other interferences
- Reduces Cerium Oxide / Cerium Ratio <0.05%



Diagram of Nafion Membrane



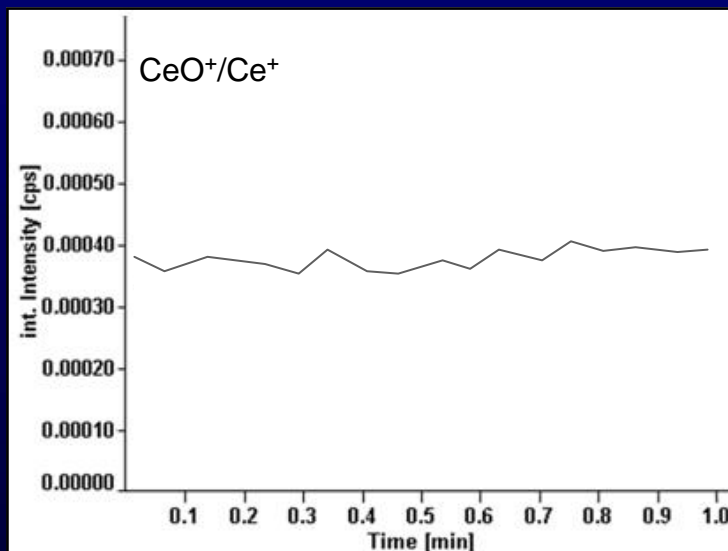
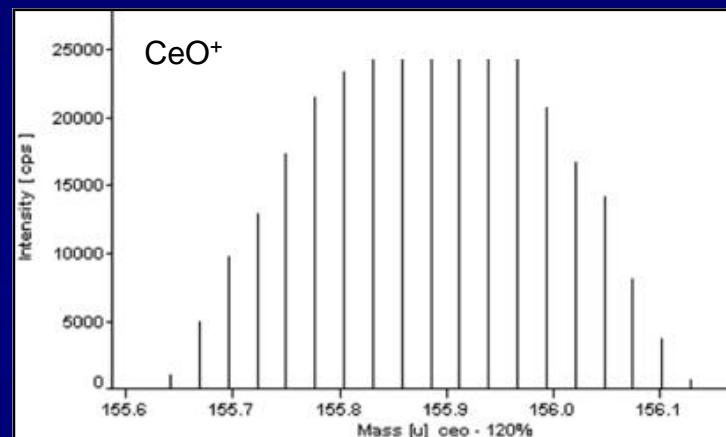
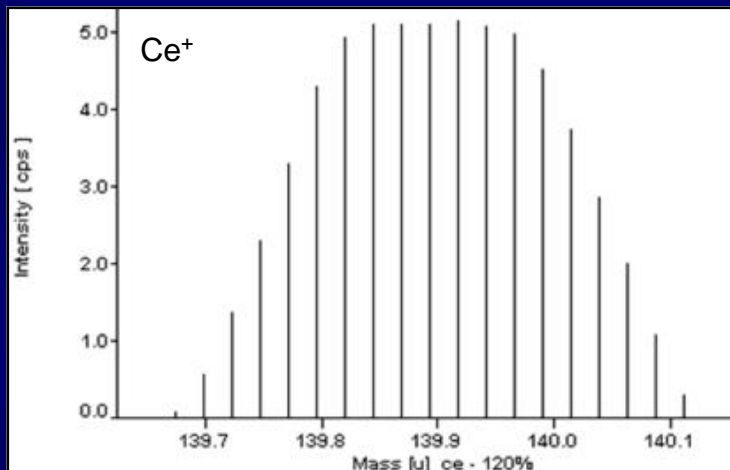
CeO⁺/Ce⁺ Ratio for Three Inlet Systems



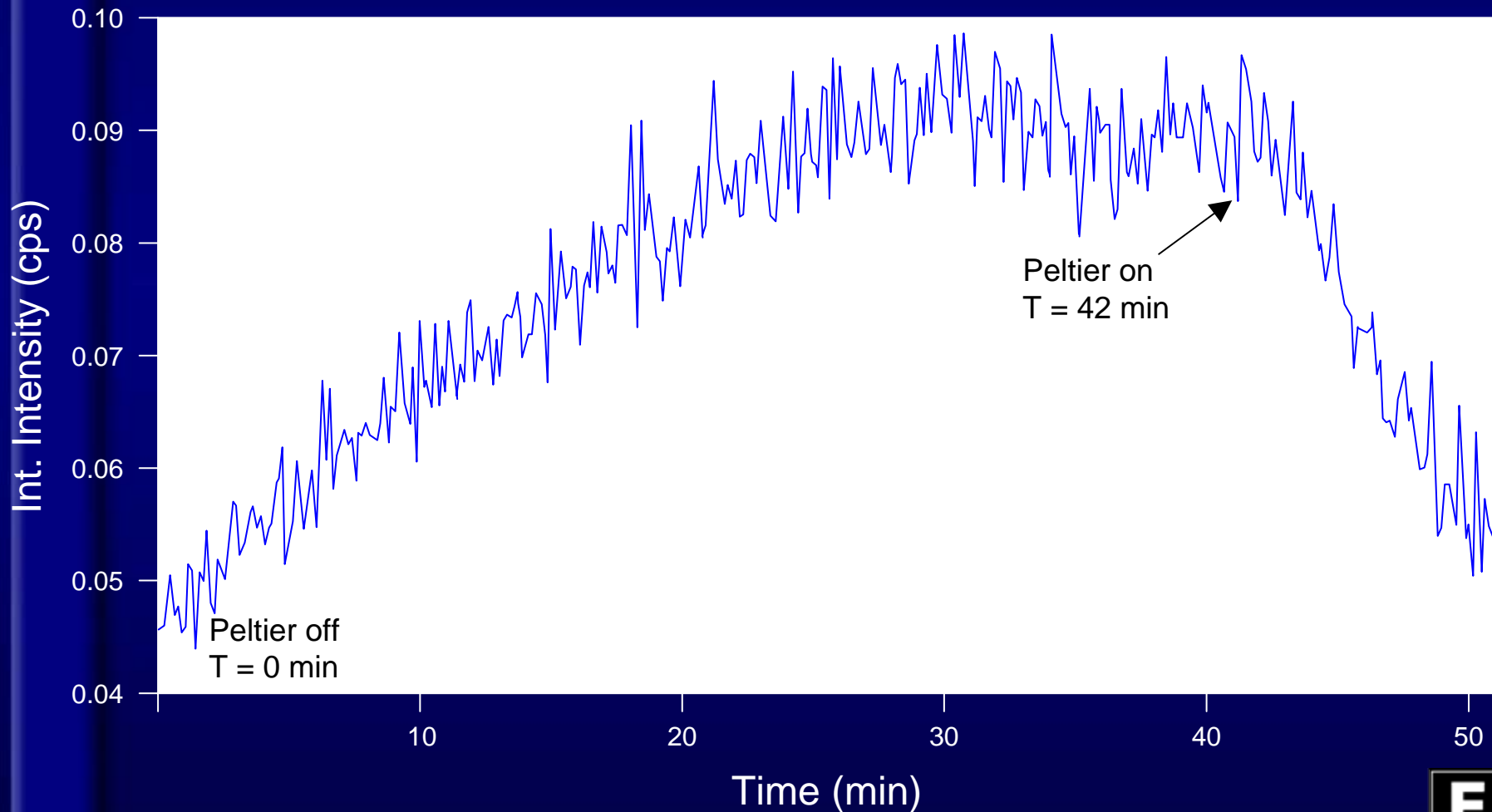
The ACM module reduced oxide formation by an additional factor of 10.



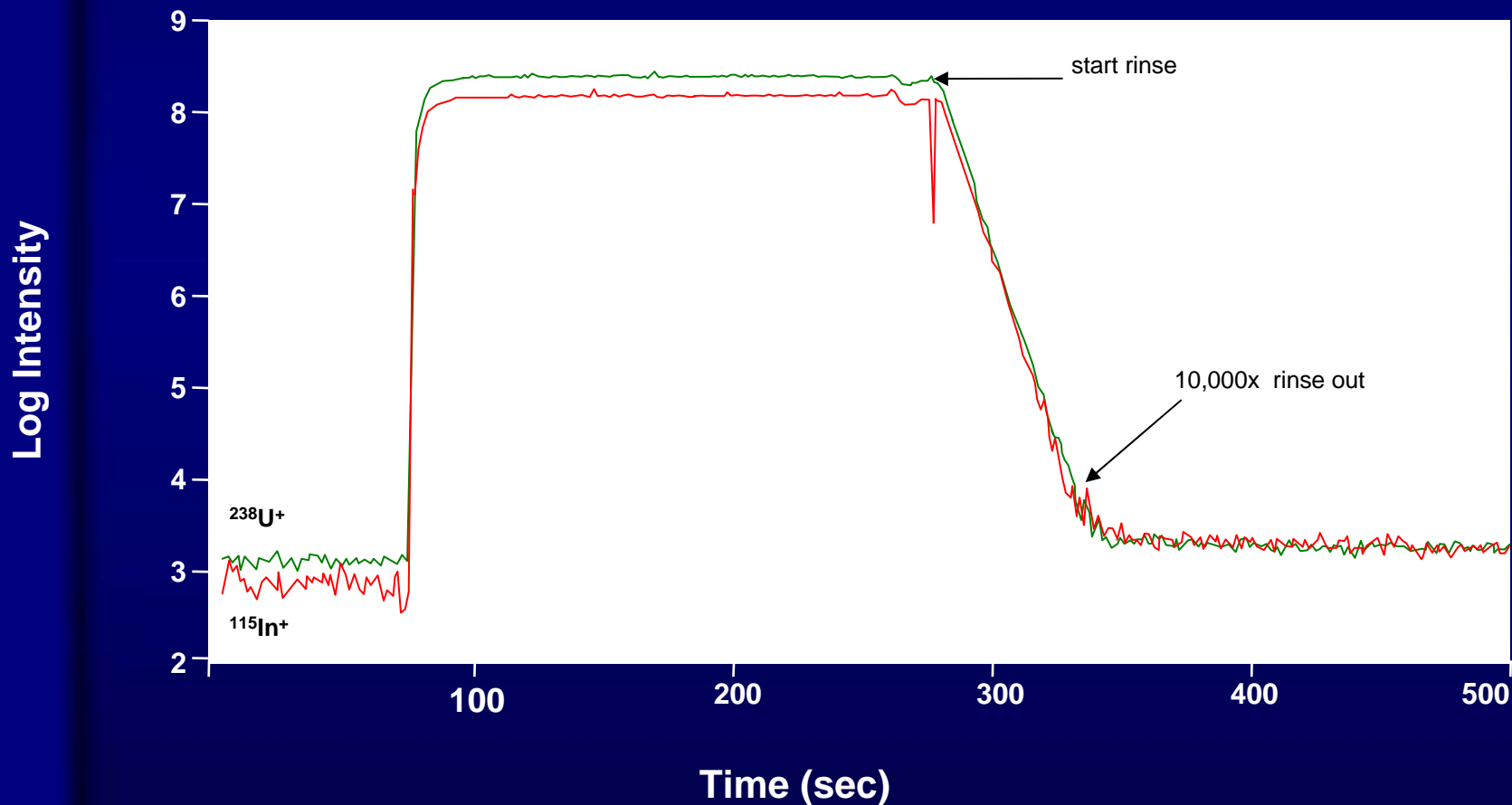
Reduced oxide formation using ACM Microporous Membrane Desolvator with Finnigan Element 2 ICPMS. Membrane temperature = -5°C



Effect of ACM Temperature on CeO^{+}/Ce^{+} 1 meter membrane



Apex with ACM Rinse out



Rinse out of five orders of magnitude using Elemental Scientific Apex-ACM High Sensitivity Desolvation System for ICPMS.

