nano³

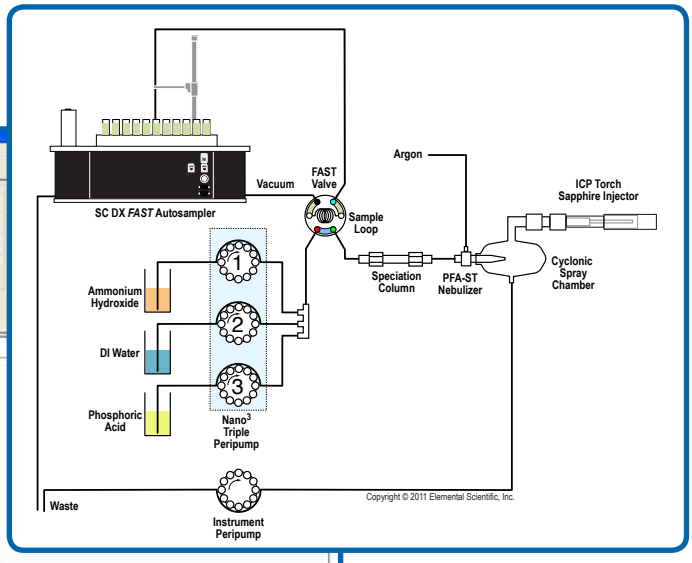
Gradient Elution Peristaltic Pump for Liquid Chromatography Applications Such As LC-ICPMS

The nano³ is a precision peristaltic pump with three independent pump heads. Each pump provides programmable, continuously variable flow rates for applications that require precise changes in solvent concentration such as gradient elution or variable dilution. Capable of pumping 50 nL/min to 3 mL/min, the nano³ is a new device for elemental speciation with ICPMS.

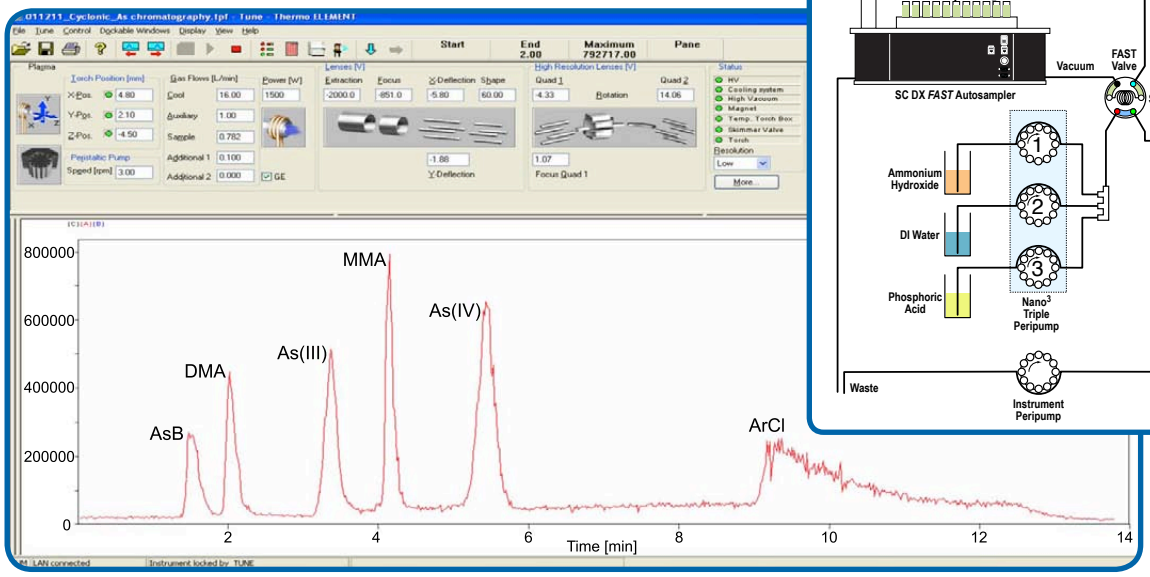
Benefits:

- Three independent peripump heads
- Low flow rates (50 nL/min to 3 mL/min) well-suited to ICP and ICPMS applications
- Integrated control of elution and column conditions
- Gradient elution LC-ICPMS
- Lower metal contamination and lower background than HPLC pumps
- Higher performance separations without expensive HPLC systems
- Chemically-resistant design, including ceramic pump roller pins

The SC-DX *FAST* low-pressure elemental speciation system with nano³ peripump



Speciation diagram using nano³ pump



Low-pressure separation and detection of five arsenic species with SC-DX *FAST*, the **ELEMENT2** ICPMS, with gradient elution using the nano³ peripump.

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