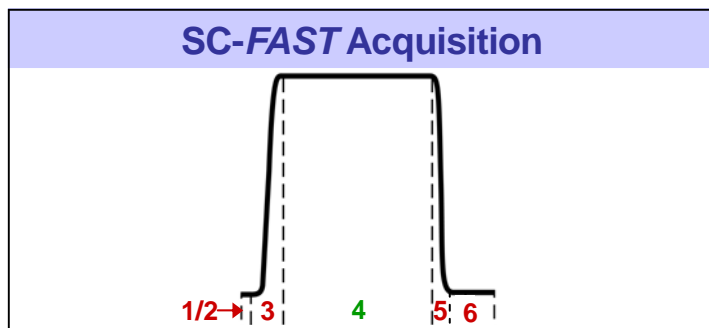
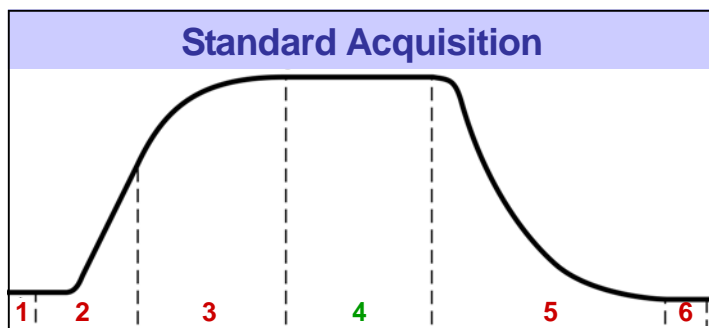
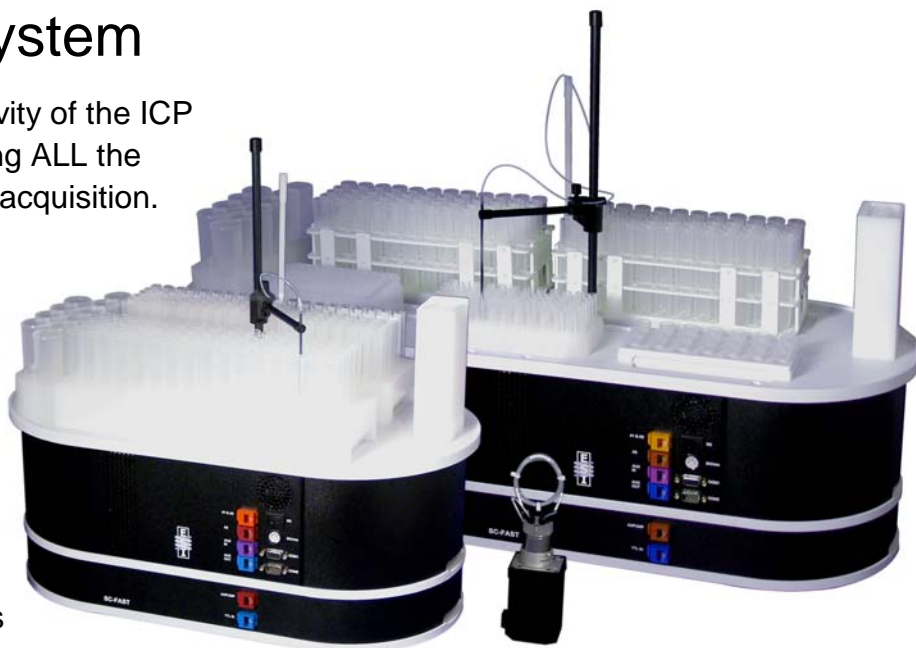


# SC-FAST

## sample injection system

SC-FAST maximizes the productivity of the ICP and ICP-MS by reducing or utilizing ALL the non-productive steps in a sample acquisition.

- Increases sample throughput up to 5x
- Eliminates sample contact with peristaltic pump tubing
- Eliminates the need for stabilization time due to fast pumping
- Reduces salt loading on cones
- More effective rinsing between samples



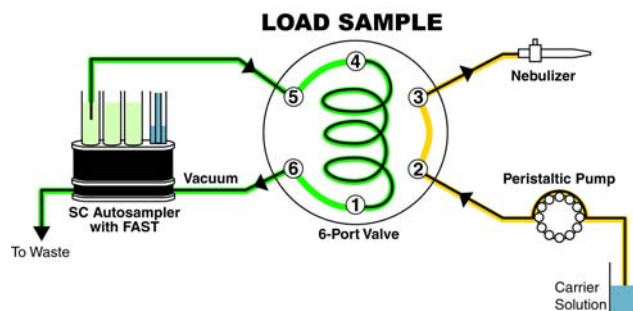
### Six Steps in a Standard Analysis

1. Autosampler Movement
2. Uptake
3. Stabilization
4. Measurement
5. Rinse
6. Overhead

SC-FAST optimizes 5 of the 6 steps, saving valuable time and resources

## Unique Design

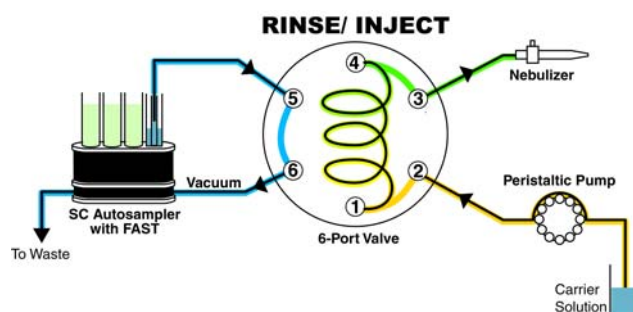
Utilizing a high flow vacuum pump, 6-port valve and ESI software, the SC-FAST is able to rapidly deliver the sample for analysis, saving valuable time. The unique design eliminates sample contact with peristaltic pump tubing, lowering cross contamination and allows the pump to operate at a constant speed, virtually eliminating stabilization time. The SC-FAST rinses and cleans the sample lines while the sample is being analyzed, making this a true multi-tasking sample introduction system.



Teflon vacuum pump loads sample into loop while carrier solution is nebulized

## Cost Effective

- Reduces instrument operating time
- Reduces argon consumption
- Reduces cone maintenance
- Increases the number of samples analyzed in available time
- Depending on your work load, the SC-FAST can pay for itself in as little as 1 month!



Carrier solution pushes sample into nebulizer at the same time sample line is rinsed

## SC-FAST for SC Autosamplers

The SC-FAST is available as an upgrade for the SC-series of autosamplers. It can be included with any of these autosamplers:

- **SC-2** benchtop autosampler
- **SC-E2** integrated autosampler for *ELEMENT2*
- **SC-4** benchtop autosampler
- **SC-14** high-capacity autosampler

