

# DCI

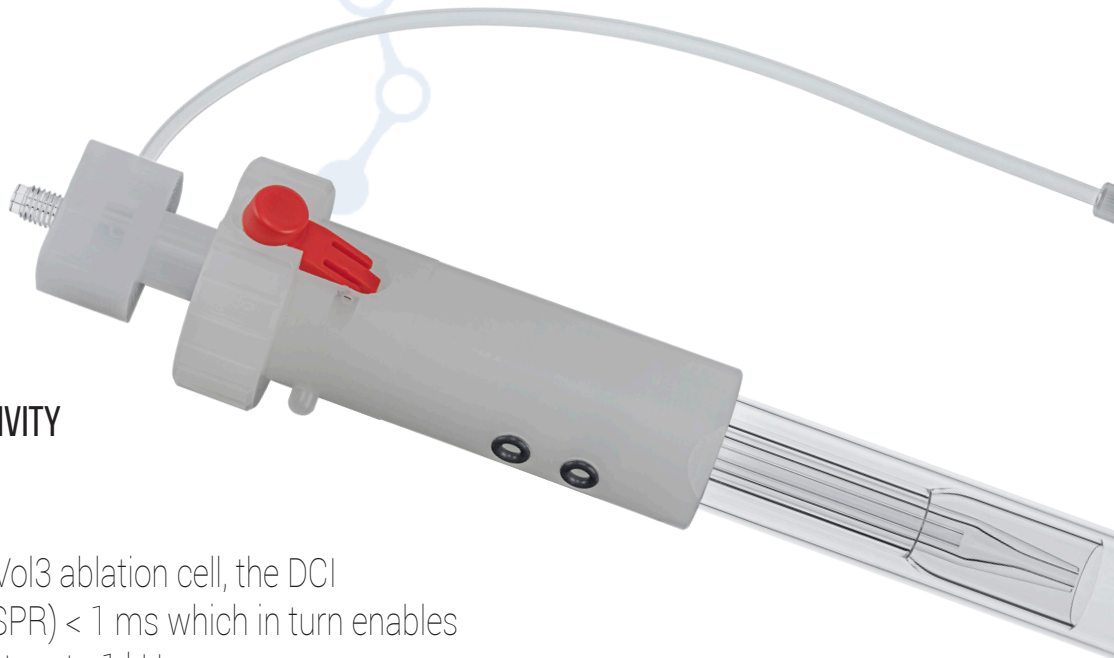
Dual Concentric Injector | Ultra-fast Washout

## REDUCES SINGLE PEAK RESPONSE TO BELOW 1 MS

USED WITH ANY SAMPLE CHAMBER CONFIGURATION  
THE DCI REDUCES WASHOUT TIMES BY OVER AN ORDER OF MAGNITUDE

## FEATURES

- ULTRA-FAST WASHOUT
- FASTER IMAGING
- IMPROVED SPATIAL RESOLUTION
- SHARPER IMAGES
- UP TO 6X IMPROVEMENT IN SENSITIVITY



When combined with ESL's TwoVol3 ablation cell, the DCI enables Single Peak Response (SPR) < 1 ms which in turn enables high-speed imaging to proceed at up-to 1 kHz

Complete washout of each laser pulse creates less lateral pixel "smearing" resulting in sharper images

Integration with the ICP torch itself ensures easy self-alignment with the sampling interface

Keeps ions on axis in the plasma to improve transmission through the ICPMS interface

Installs in <5 minutes



© Elemental Scientific Lasers LLC | 685 Old Buffalo Trail | Bozeman, MT, 59715 | United States  
Tel: + 406 586 3159 | [lasers@icpms.com](mailto:lasers@icpms.com) | [www.icpmslasers.com](http://www.icpmslasers.com)