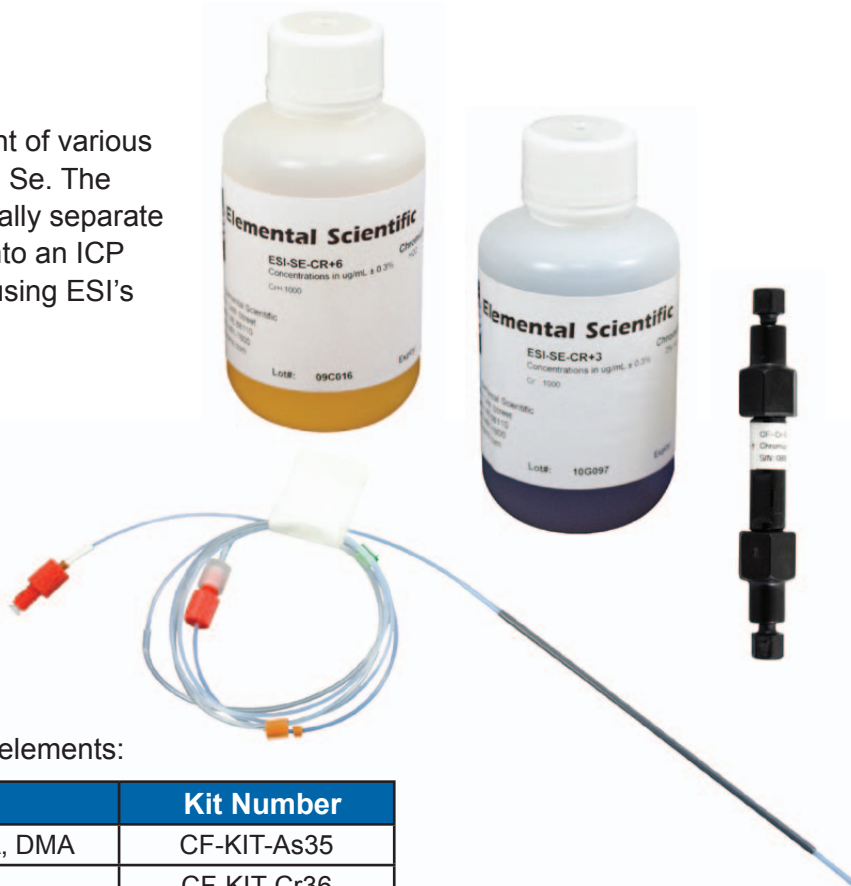


Speciation Kits

ESI speciation kits allow precise measurement of various elemental species including As, Cr, I, Hg, and Se. The specially-designed columns chromatographically separate target species that are subsequently eluted into an ICP or ICPMS. Speciation data can be analyzed using ESI's periSPEC software.

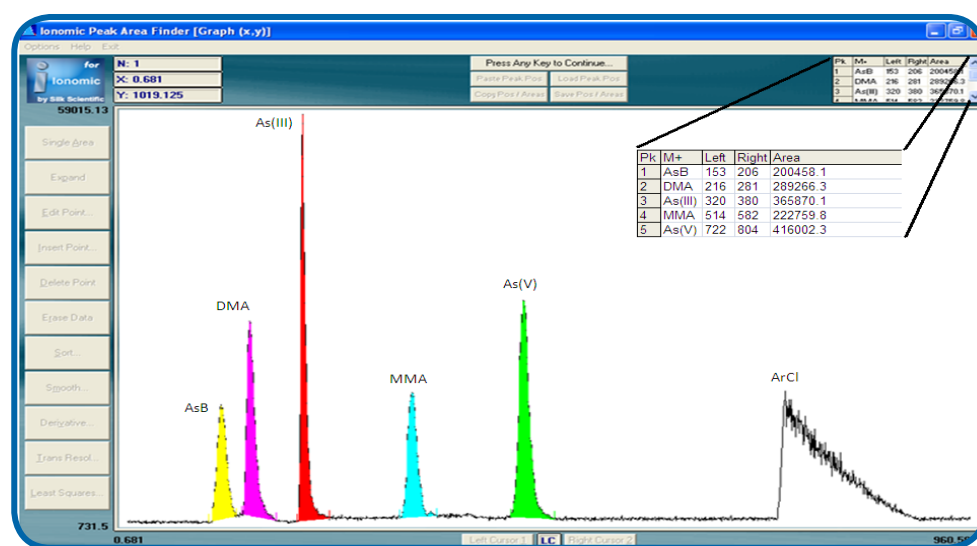
SPECIATION KITS INCLUDE:

- Column
- Species-specific standards
- Probe kit
- All necessary valves and tubing
- Speciation user guide with eluent recipes



Speciation kits are available for the following elements:

Element	Species	Kit Number
Arsenic	As(III), As(VI), AsB, MMA, DMA	CF-KIT-As35
Chromium	Cr(III), Cr(VI)	CF-KIT-Cr36
Iodine	I ⁻ , IO ₃ ⁻	CF-KIT-I
Mercury	Hg, MeHg	CF-KIT-MeHg
Selenium	Se(IV), Se(VI)	CF-KIT-Se46



Detection Limits for Various Species	
Element	MDL (ppt)
Chromium	
Cr(III)	3
Cr(VI)	4
Mercury	
Hg	0.05
MeHg	0.1
Iodide	
I ⁻	0.3
IO ₃ ⁻	0.2

periSPEC is a simple and relatively inexpensive software that utilizes an Excel-based spreadsheet to integrate the chromatographic peak areas.