

## ICP-QMS (ICP-Quadrupole Mass Spectrometer)

유도 결합 플라즈마 사중극자 질량 분석기

### Model

NexION 300D (PerkinElmer, US)

### Specifications

- Background signal : Mass 220 < 1 cps
- Short-term precision : < 3% RSD
- Quadrupole peak hop (slew) speed : 1.6M amu/sec
- Quadrupole scan speed : 5000 amu/sec

### Applications

- Environmental : Water quality / Pollution control
- Clinical : Blood, urine, serum, isotope tracer studies
- Petrochemical : Ultra-high purity chemicals
- Semiconductor : Ultra-high purity chemicals
- Geochemical
- Metallurgical



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### Model

ELAN DRC PLUS (PerkinElmer, US)

### Specifications

- RF generator : 40 MHz
- RF power : 1000 -1500 Watt
- Mass analyzer : Quadrupole
- Detection limit : ppt-sub ppb level

### Applications

- LC-ICP-QMS
- Qualitative analysis

