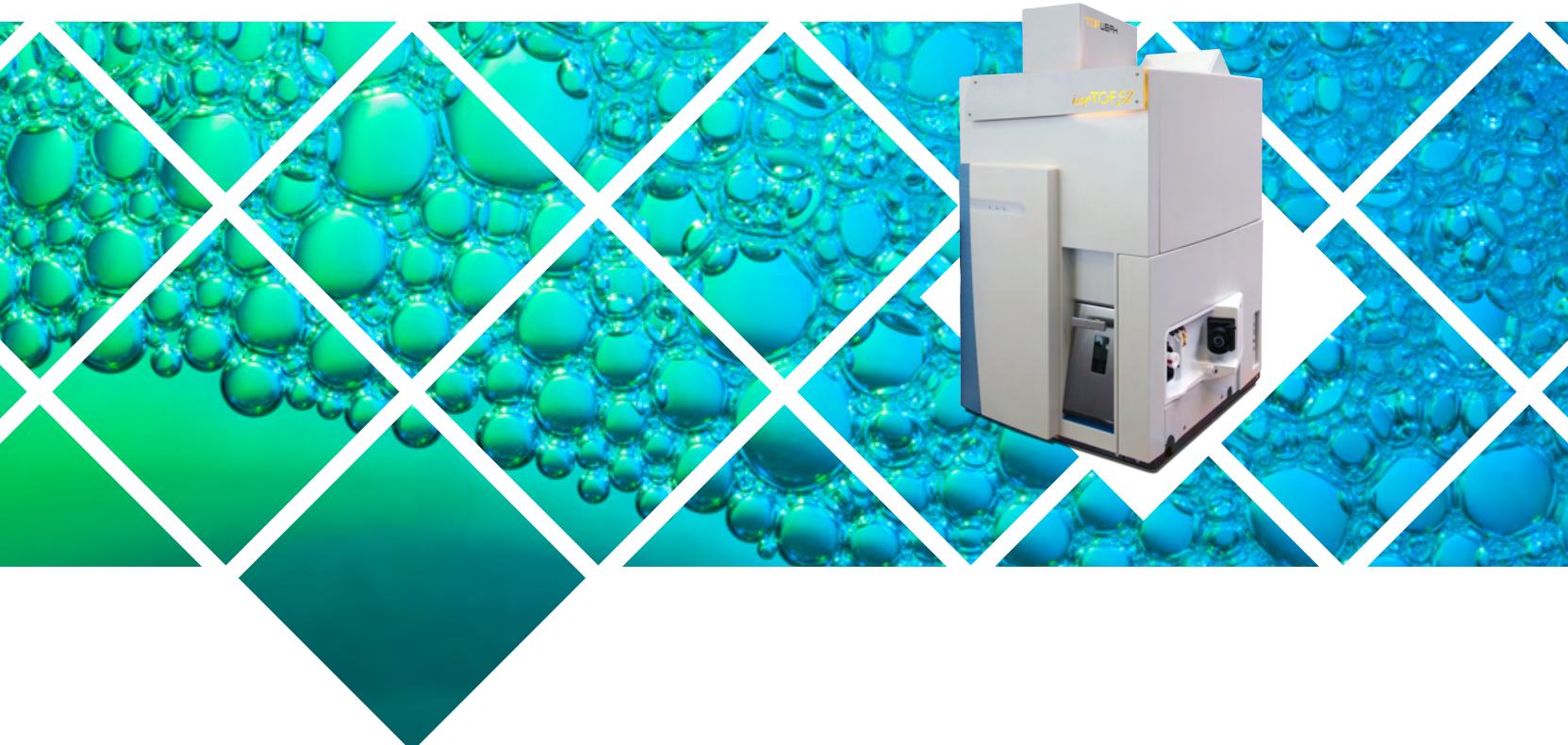




Single-Particle ICP-MS

Fast, Simultaneous Multi-Element Detection and Analysis of Single Particles and Single Cells



Features

- All the elements. All the time
- High sensitivity and mass resolution
- Fast detection speed
- Maximum time resolution
- Precise isotope ratios

Applications

- Materials and Surface Science
- Plants and Agriculture
- Soil
- Toxicology
- Water

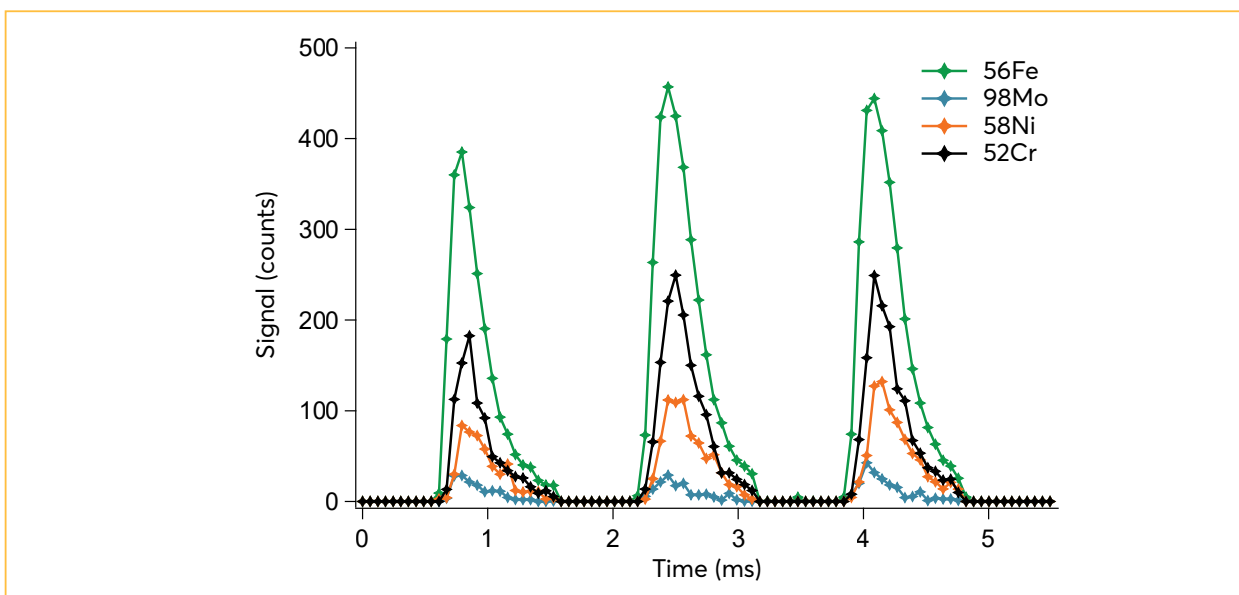


Learn More

icpTOF

Nanoparticles in Materials Science

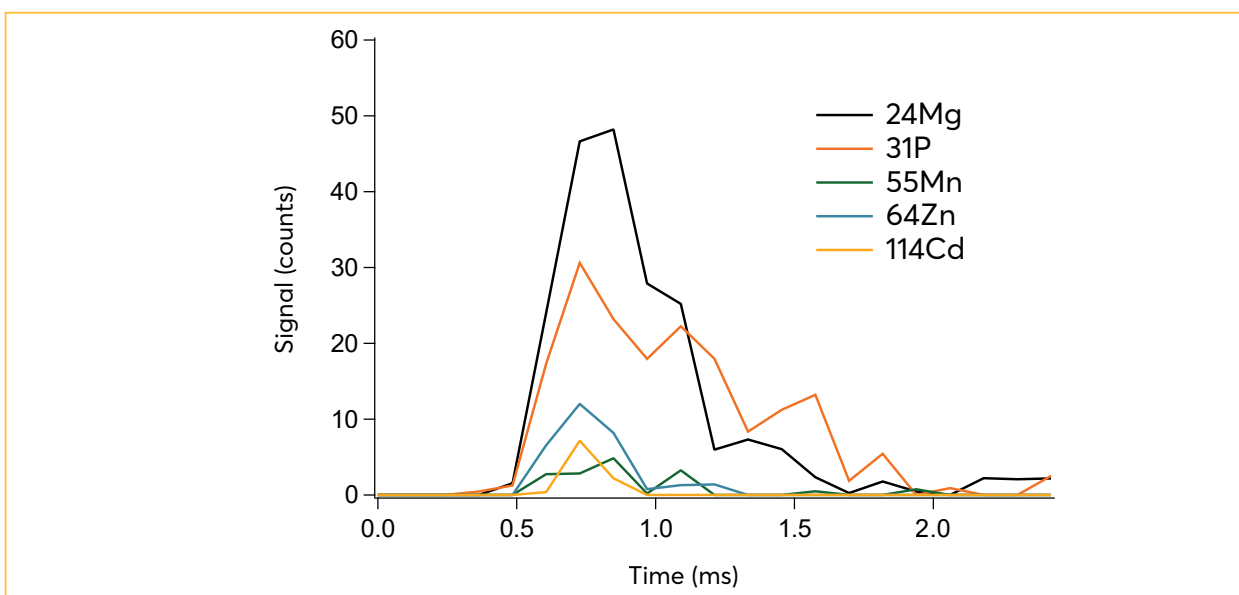
Multi-Element Analysis of Nanoparticles Using the icpTOF



Nanosteel particles composed of Fe, Cr, Ni, Mo were diluted in milliQ water and measured with the icpTOF using H₂ in the Q-cell at 3 ml/min to remove ArO interference on 56Fe.

Single-Cell Analysis in Toxicology

Fast and Simultaneous Multi-Element Detection for Single-Cell Analysis Using the icpTOF S2



Example of a recorded signal for a single *Wickerhamomyces anomalus* yeast cell. Data were acquired with an integration time of 120 μ s.