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# Inductively-Coupled Plasma Optical Emission Spectrometer

National Cancer Institute

## Source

National Cancer Institute. *Inductively-Coupled Plasma Optical Emission Spectrometer*.  
NCI Thesaurus. Code C62338.

A spectrometer in which a sample is introduced, either by spraying or ultrasonic nebulization, into inductively-coupled plasma generated from argon gas. This process excites dissolved metals, thereby causing them to emit radiation in both the UV and visible spectrum. The emitted radiation is dispersed by a grating monochromator and detected with photomultiplier tubes.