ANALYZE SAMPLES QUICKER, USING LESS GAS WITH AGILENT'S FAST SEQUENTIAL MODE

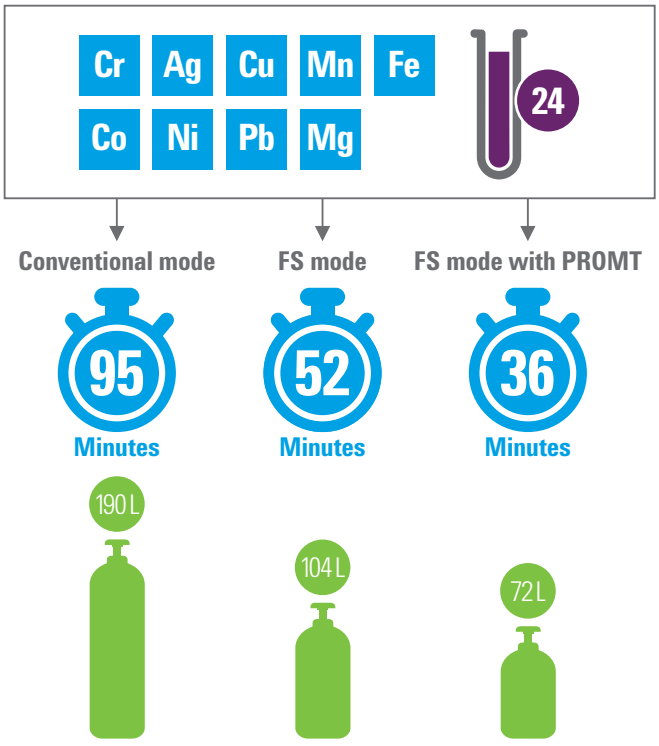
Agilent Flame AA

Reduce analysis time and gas consumption by over 60%

The Fast Sequential (FS) mode of Agilent's Flame AA spectrometers offers high sample throughput and reduced cost of analysis, without needing add-on accessories for the instrument. Combine it with the PROMT acquisition mode and you can reduce gas consumption and analysis time by over 60%.

Fast Sequential mode offers:

- Increased productivity, compared to conventional Flame Atomic Absorption Spectrometry (FAAS), allowing more samples to be measured per hour.
- Reduced acetylene and nitrous oxide consumption, resulting in lower running costs.
- Further analysis time reduction when combined with PROMT acquisition mode. By setting the desired precision limits, elements at high concentrations are determined quickly, with more time being spent on elements at lower concentrations.
- Low sample volume consumption during analysis, resulting in lower maintenance intervals, less sample waste and reduced reagent and disposal costs.
- Easy setup and fast method development.



Nine elements in 24 samples were quantified in three different ways: Conventional FAAS mode (3 integrations of 3 seconds for each element), Fast Sequential mode, and Fast Sequential mode with PROMT acquisition. The analysis used an autosampler, included a Calibration Zero and three standards. A 5 s rinse was performed every 10 samples.

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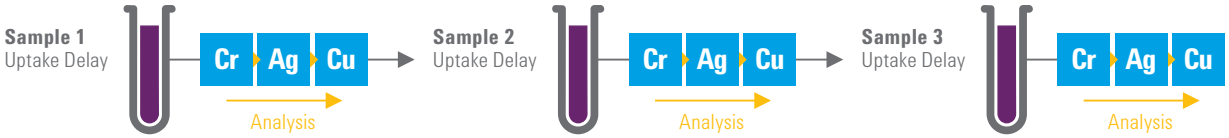
How Fast Sequential mode works

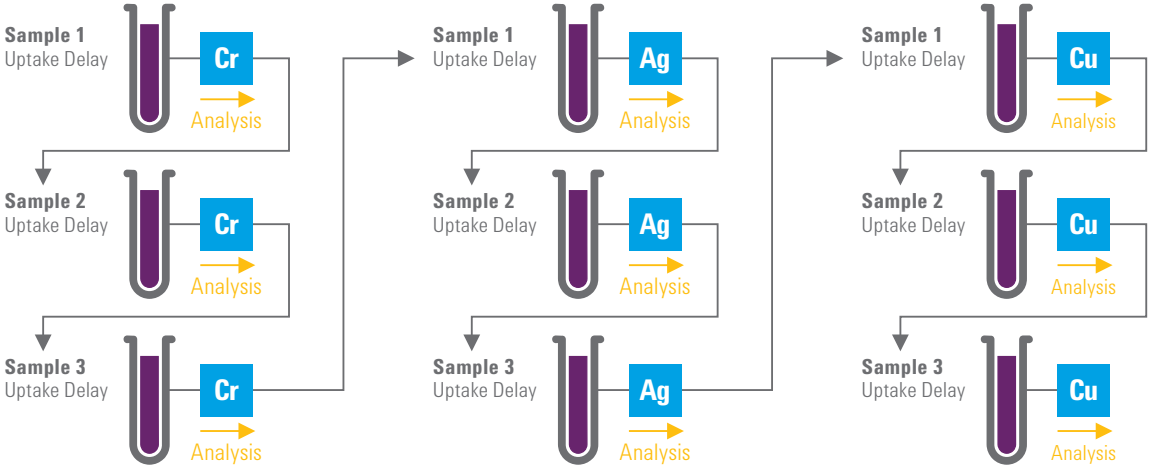
Fast Sequential mode

Using Fast Sequential mode, samples are only aspirated once, with all elements being measured before the next sample is aspirated.



Conventional mode

Conventional AA determines only one element from each sample aspiration, so samples are analyzed time and time again during a multi-element sequence.



Our range of Fast Sequential FAAS instruments

The 4 lamp 240FS AA

The 8 lamp 280FS AA

For more information:
Contact your local Agilent representative or visit:
www.agilent.com/chem/atomic

This information is subject to change without notice.

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