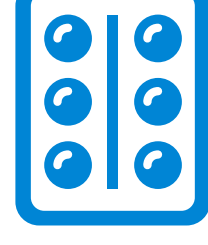


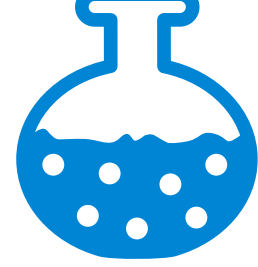
70 Years of Innovation in Spectroscopy



Today, Agilent's comprehensive and time-tested Spectroscopy portfolios (Molecular and Atomic) offer some of the most powerful and reliable solutions for diverse markets, such as:



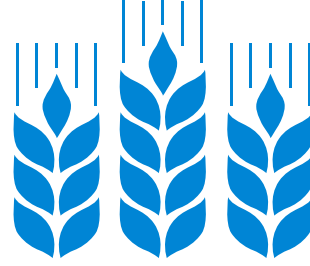
(Bio) Pharmaceutical



Energy and chemical



Materials testing and research



Food safety and agriculture



Environmental



Academic and life science research

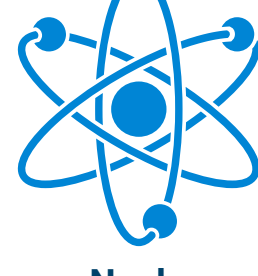
And other application areas including:



Geochemistry and semiconductor analysis



Clinical research



Nuclear

Molecular Spectroscopy

Backed by the technology-leading "Cary" brand, as well as Agilent's world-wide service and support organization, Agilent's Molecular Spectroscopy portfolio provides a full range of solutions from routine to research.

Over the last 70 years, Agilent has been at the forefront of innovation within Molecular Spectroscopy, with new technologies that have revolutionized the way laboratories perform and advance their science. Agilent's current portfolio includes:

- Fluorescence spectroscopy
- Fourier transform infrared (FTIR) spectroscopy
- UV-Vis (Ultraviolet visible) & UV-Vis-NIR (near infrared) spectrometry
- Laser direct infrared (LDIR) chemical imaging
- Raman spectroscopy

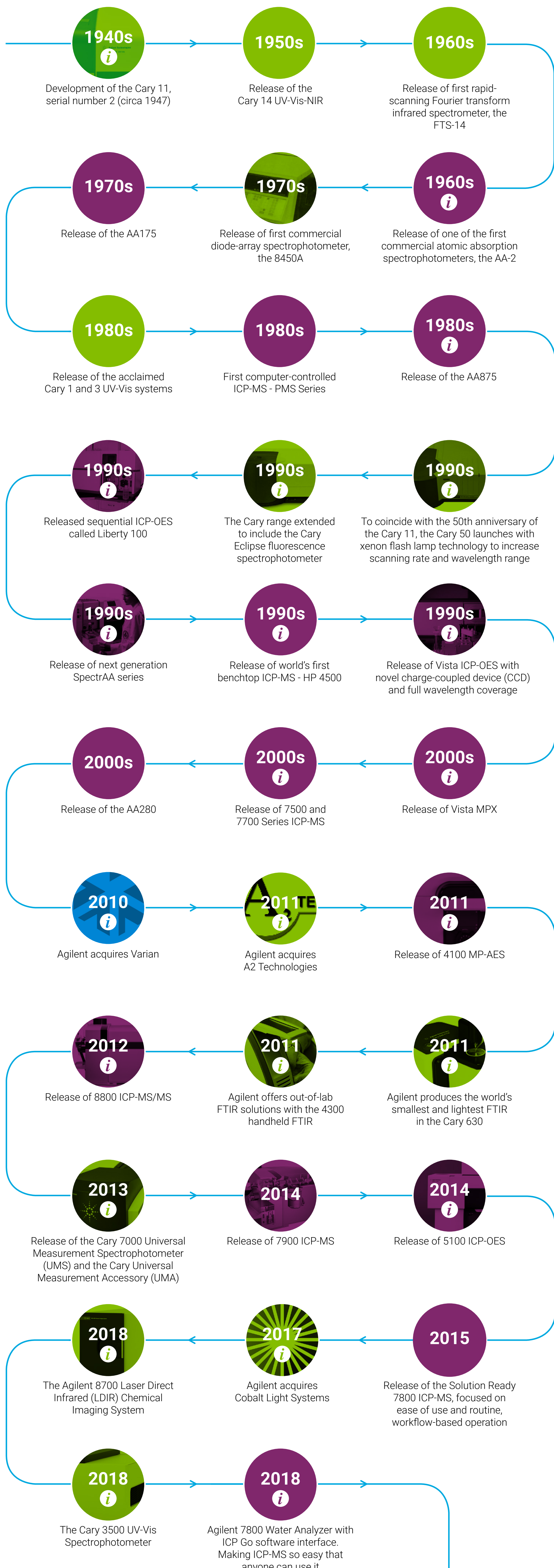
Atomic Spectroscopy

From an Atomic Spectroscopy perspective, Agilent's comprehensive and trusted portfolio offers powerful and reliable solutions for diverse application areas:

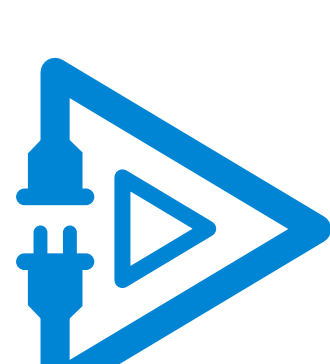
- Atomic absorption spectrometry
- Microwave plasma atomic emission spectrometry (MP-AES)
- Inductively coupled plasma optical/atomic emission spectrometry (ICP-OES/ICP-AES)
- Inductively coupled plasma mass spectrometry (ICP-MS) and triple quadrupole ICP-MS - ICP-QQQ

Timeline

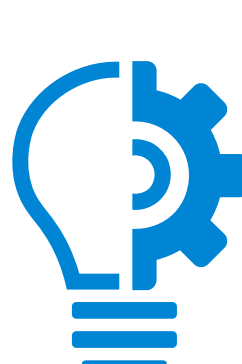
● = Molecular Spectroscopy milestone ● = Atomic Spectroscopy milestone ● = Spectroscopy milestone



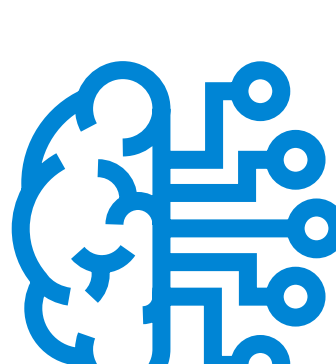
The spectroscopy laboratory of the future...



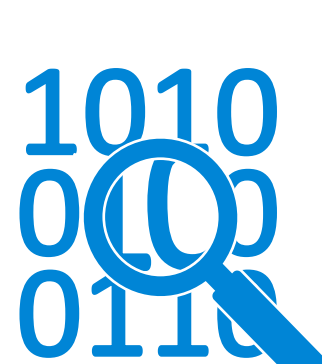
As the role of the spectroscopy operator broadens, it will be critical for the instruments they use on a daily basis to be as simple to use as possible (user-friendly interfaces / 'plug and play' approach)



New platforms and technologies (using quantum cascade lasers [QCLs] and Xenon flash lamps), which will expand application ranges



The adoption of predictive technologies and AI to power the smart connected laboratory of the future



Software rationalization to ensure laboratories continue to maximize and leverage the innovative capabilities of newer programs