

Optimize Your LC Detector Performance

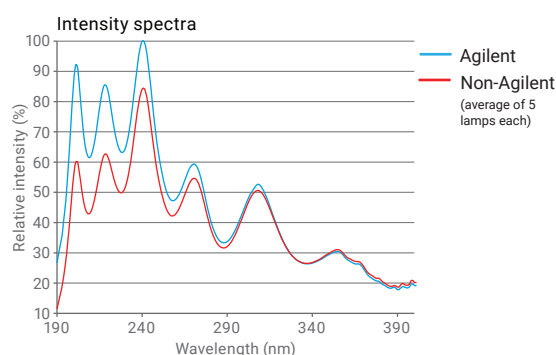
Agilent long-life deuterium lamps



Is your lamp giving you the best sensitivity, detection capabilities, and trace-level qualification?

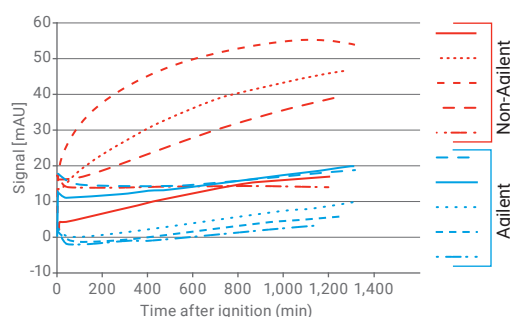
Agilent
InfinityLab

UV lamps can tremendously impact chromatographic performance—including signal intensity, signal-to-noise (S/N) ratio, and baseline drift. While lamps from other vendors are available for Agilent detectors, Agilent lamps offer exclusive features that competitors' lamps do not.



Lamp intensity: Agilent versus the competition

Sufficient initial intensity ensures longer lamp life and higher signal-to-noise ratio. Both directly affect your detection limits and sensitivity. Here, Agilent lamps showed higher intensity from 190 to 330 nm, especially in the lower wavelength region.



Guaranteed long lifetime

Signal degradation over time for five Agilent deuterium lamps. After 2,000 hours, all lamps showed more than 60% remaining energy, well above the end-of-lifetime specification (50% remaining energy).

The cathode coating process, specific to Agilent, extends lamp life and reduces intensity drop over time. All Agilent long-life deuterium lamps are guaranteed to last longer than 2,000 hours.



Superior signal stability and less stabilization time after ignition

Non-Agilent lamps need a longer time to stabilize, and their signals go through a much larger variation range than Agilent lamps.

Choose Agilent lamps for higher S/N ratios, trouble-free performance, and long-term value

The narrow aperture of Agilent deuterium lamps decreases noise and lowers limits of detection. And that means you can extend detection capabilities and improve your trace-level qualification. Every lamp is also designed, built, and tested to:

- Provide optimal intensity, sensitivity, and stability.
- Meet the highest quality standards and strictest safety regulations.
- Ensure the best lamp-to-lamp consistency.

What's more, Agilent InfinityLab lamps with RFID tag technology deliver critical information and full use traceability for planned maintenance. So you can troubleshoot more easily, lower ownership costs, and reduce instrument downtime.

Ordering information

Lamp Description	Compatible with	Part Number
InfinityLab long-life deuterium lamp (8-pin) with RFID tag	Diode array detector 1260/1290 Infinity Series: G4212A/B 1260/1290 Infinity II Series: G7117A/B/C	5190-0917
InfinityLab long-life deuterium lamp with RFID tag	Diode array detector 1200 Series: G1315C/D 1220 Series with DAD 1260 Infinity Series: G1315C/D 1260 Infinity II Series: G7115A Multiwavelength detector 1200 Series: G1365C/D 1260 Infinity Series: G1365C/D 1260 Infinity II Series: G7165A	2140-0820
Long-life deuterium lamp	Diode array and multiwavelength detector 1100 Series: G1315A/B and G1365A/B	5182-1530
Tungsten lamp (VIS)	Diode array and multiwavelength detector 1100 Series: G1315A/B 1100 Series: G1365A/B 1200 Series: G1315C/D and G1365C/D 1260 Infinity Series: G1315C/D and G1365C/D	G1103-60001
InfinityLab long-life deuterium lamp with RFID tag	Variable wavelength detector 1200 Series: G1314D 1260/1290 Infinity Series: G1314E/F 1260/1290 Infinity II Series: G7114A/B	G1314-60101
Long-life deuterium lamp	Variable wavelength detector 1100 Series: G1314A 1120 Series with VWD 1200 Series: G1314B/C 1220 Infinity LC with VWD 1260 Infinity Series: G1314B/C	G1314-60100

To order, visit www.agilent.com/chem/lamps

Find your local Agilent sales representative or Agilent authorized distributor at www.agilent.com/chem/contactus

This information is subject to change without notice.