



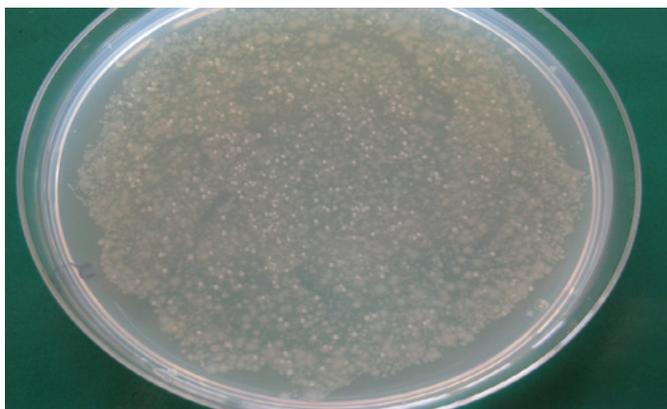
Improve your measurements

SOLARIS prevents growth of bacteria, fungi or algae with high efficiency. Noisy baselines or drifts are a thing of the past.

The results are striking

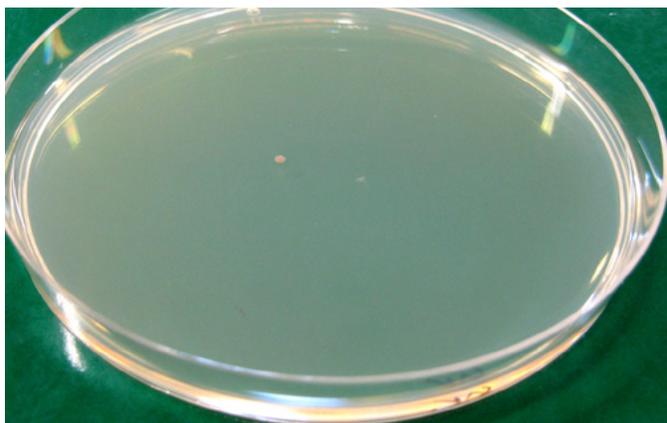
➤ Without SOLARIS:

Solvent (after one week of use) incubated at 30° C for one day.



➤ With SOLARIS:

Solvent (after one week of use) incubated at 30° C for seven days.



Specifications

- Uses 12 V DC voltage
- Wavelength: 254 nm
- Not to be used with organic solvents or aqueous photo reactive solutions - check solvent before use
- Temperature range 4 - 80° C
- TÜV-certified
- Operational life span: 1 year (5,000 hours)
- Suitable for 2 L bottle with GL-45 thread
- Wyatt part no.: 3321



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SOLARIS



Solvent Protection System
for aqueous applications

Protect your chromatographic system

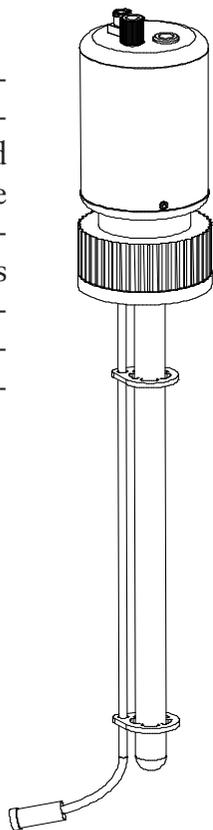
SOLARIS brings the proven UV sterilization technique to your HPLC solvent reservoir.

SOLARIS sterilizes the solvent in the bottle and consequently protects all components of your chromatographic system from contamination including HPLC and light scattering instruments.

SOLARIS supersedes the use of Sodium-Azide or other preservatives in the chromatography solvent.

SOLARIS protects your system from down-time due to contamination and saves the danger and effort to handle toxic chemicals.

SOLARIS sterilizes the solvent after pouring it into the bottle. In addition the inflowing air is purified with a 0.2 μm filter. So a reliable protection against biological pathogens, like bacteria, fungi or algae, is achieved. Moreover, the filter prevents the contamination with particles from the laboratory environment (e. g. dust).



The SOLARIS device is designed to fit into a 2 L solvent reservoir bottle. There is enough room to add a magnetic stirrer if appropriate.

Clean sterilization

- Efficient prevention of microbial growth
- Sodium-Azide or other toxic chemicals no longer required
- Prevents interaction between azide and sample
- Solvent pathway close to the ultraviolet radiation to maximize efficiency

Additional benefits



- Allows purging the tubing which leads into the bottle
- Enables the user to extract an aliquot of the solvent at any time without completely removing the device

Time and cost-saving

- Constant sterilization with SOLARIS allows recycling of the solvent - one batch of solvent is typically stable for up to three days
- Saves expense for disposal of solvent waste after the measurements: no toxic chemicals added

Easy to handle

- Ready to use system - to be mounted on all brown 2 L solvent bottles with GL-45 thread
- Easy to install and to replace
- If cleaning is necessary: only rinse with water

Accessories to optimize your system

Ideal combination: SOLARIS, with Wyatt Inline Filterholder Set, offers the best possible protection against contaminants.



It is recommended to add the Wyatt high-pressure PEEK inline filterholder downstream of the HPLC pump. Also available is a low dead-volume filterholder which can be installed at the inlet of the light scattering detector.

Best choice: high-end Wyatt SEC Protein Columns certified for best resolution and highest signal to noise ratio of the light scattering detector

