

Product Specifications

Part ID: OC0009-1 (Small plastic)

OC0009-2 (Tall plastic)

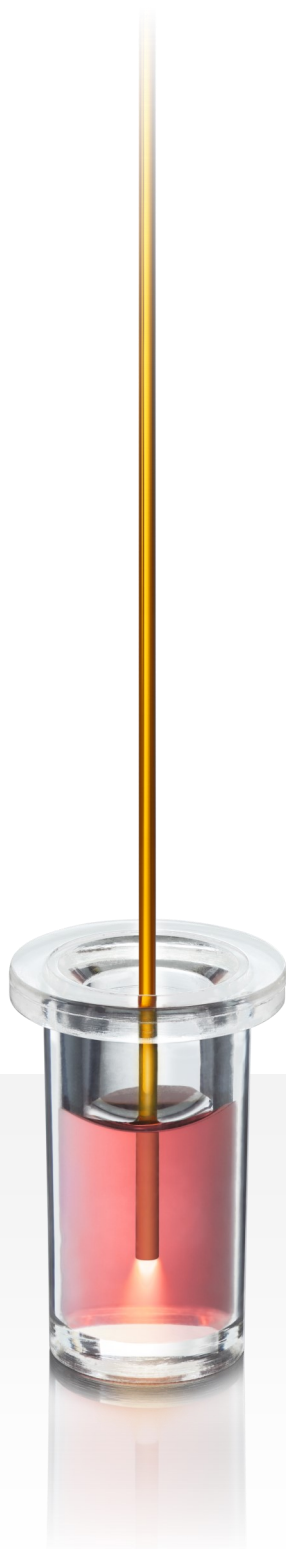
Disposable UV Plastic Vessels

Overview

CTech™ Analytical Solutions from Repligen provides two sizes of disposable UV plastic vessels: Tall (OC0009-2) and Small (OC0009-1).

These disposable UV plastic vessels, also called cuvettes, are designed for use with the CTech™ SoloVPE® System and can be used across a broad wavelength range and provide excellent resistance to a wide variety of chemical species. Manufactured from high quality Cyclic Olefin Copolymer material to ensure high UV transmission. These single-use plastic sample vessels eliminate the tedious chore of cleaning quartz cuvettes and eliminate cross-contamination risk.

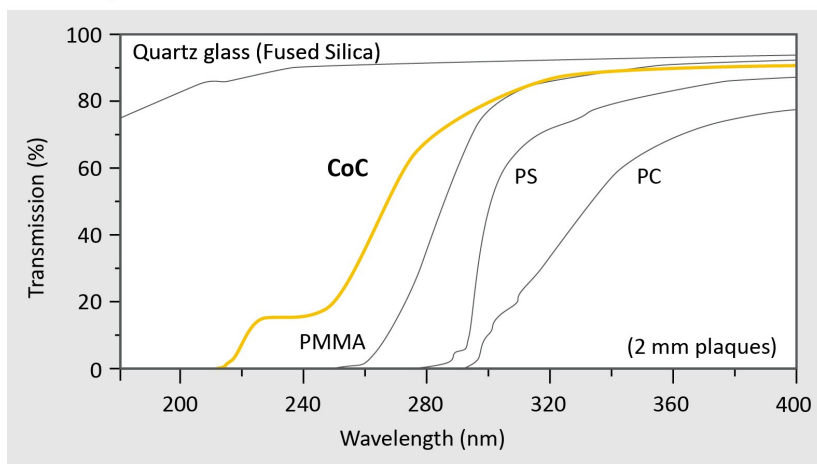
Packaged and sold in convenient plastic trays, these tall (OC0009-2) and small (OC0009-1) single-use disposables help streamline the flow of samples across the CTech SoloVPE® System, allowing analysts to get accurate results quickly and with minimal effort.



Specifications

Vessel Type (Part No)	Internal Diameter (mm)	External Diameter (mm)	Vessel Height (mm)	Required Volume of Max Pathlength (μl)	Pathlength Range (mm)	Wavelength Range (nm)	Material
Small plastic (OC0009-1)	5.0 mm	11.0 mm	16.5 mm	120 μl	0.005 mm–5.0 mm	220 nm–800 nm	Cyclic olefin copolymer
Tall plastic (OC0009-2)	5.5 mm	12.0 mm	24.0 mm	500 μl	0.005 mm–15.0 mm	220 nm–800 nm	Cyclic olefin copolymer

UV light transmission



CoC: Cyclic olefin copolymer
PMMA: plastics polymethyl methacrylate
PS: polystyrene
PC: polycarbonate

Figure 1. Transmission ranges of different cuvette materials.

Features | Advantages | Benefits

Packaging: Vacuum-packed for protection and to avoid the impact of humidity on the product.

Applications (including, but not limited to): Antibody concentrations, DNA, RNA, gold particle testing, polysorbate analysis.

Hardware compatibility: Compatible with the CTech SoloVPE System small/micro fused silica sample vessel holder.

Avoid contamination: Disposable plastic; make measurements into the UV wavelength range without having to clean and reuse as with the fused silica sample vessels—simply discard the plastic vessel in the appropriate repository.

Sample retainability: The sample can be reclaimed prior to disposing of the vessel.

Handling and Storage

Recommended conditions:

- Temperature resistance: 75°C max (167°F)
- Chemical compatibility: Tables for cyclic olefin copolymer regarding the expected material performance can be found online.
- Store the product in its original packaging and out of direct sunlight or intense light sources to avoid degradation of transmissive properties.
- Expiration is set at two years from date of manufacture. All packages are labeled with the product expiration date.
- For extended storage, temperatures should be maintained at 15°C–55°C (60°F–131°F).

Warning: Repligen does not recommend or approve the material for any particular application. It remains the responsibility of the customer to ensure that the material is suitable for the desired use.

Customer Support Options

More information: Final application suitability of all materials and ratings are the sole responsibility of the user. Specified pressure and temperature ratings may be subject to limitations. Contact a Repligen Analytics Representative for more information. Visit our website: <https://ctech.repligen.com/>

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