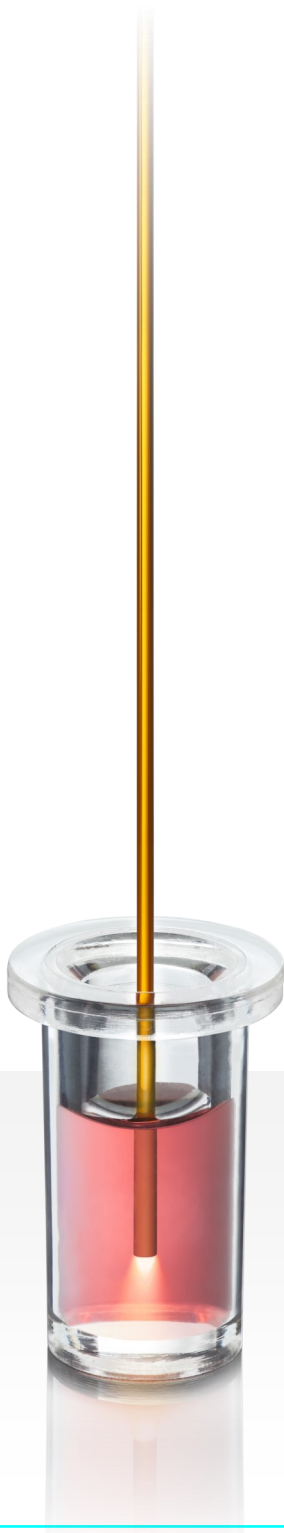


Disposable UV Plastic Vessels

Product Specifications

Specification
Sheet

Part ID: **OC0009-1**



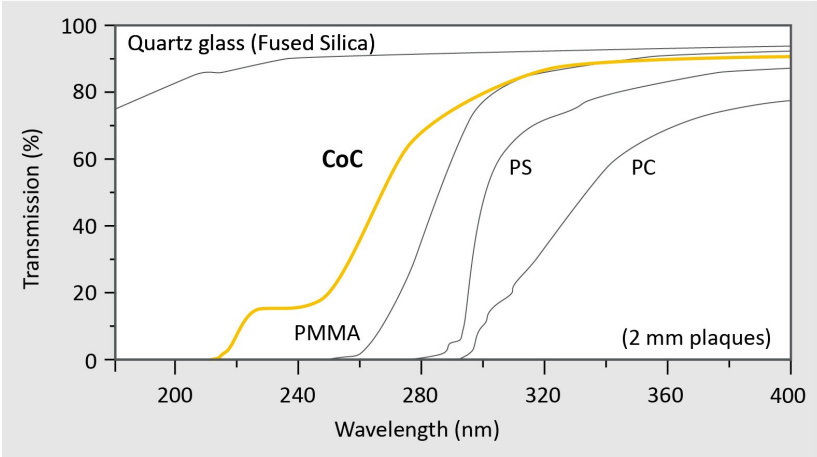
Overview

Repligen offers disposable UV plastic vessels designed for use with the CTech™ SoloVPE® System. These plastic vessels 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 small single-use disposables help streamline the process of measuring samples with 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

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: <ul style="list-style-type: none">• 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 four 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 analytical representative for more information.

C Technologies, Inc. and/or its affiliates, to the extent allowed by law, disclaims, and in no event shall be liable for, any incidental or consequential damages in connection with user, instrument, or system performance in relation to all content contained in this document, including but not limited to fitness for location of use, specific purpose for use, or application. Information, descriptions, and specifications in this publication are subject to change without notice.

Customer Support
analytics-support@repligen.com
+1 908-707-1009

Repligen Corporation
685 Route 202/206
Bridgewater, NJ 08807, USA
www.repligen.com/process-analytics

© 2024 Repligen Corporation. All rights reserved. The trademarks mentioned herein are the property of Repligen Corporation or a Repligen affiliate, or their respective owners.