

TELOS 



TELOS® Phase Separator Columns and 96-well Plate

- **Rapid aqueous work-up**
- **Partition aqueous and halogenated solvents**
- **Aqueous-free chlorinated solvent fractions**
- **Individual reservoir volumes and 96-well plate format**
- **Gravity flow filtration process, no vacuum required**

Introduction

Liquid-liquid extraction is a common technique used as part of reaction work-up. TELOS® Phase Separators allow the rapid and easy separation of aqueous and chlorinated solvents without the need for separating funnels and re-washing glassware.

Simply apply the two solvents to the appropriate size column, wait for a few seconds and start to collect the chlorinated solvent. The aqueous layer will remain in the TELOS Phase Separator, separating the two phases and allowing additional work-up.

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Formats

Available in five reservoir volumes: 6, 15, 25, 70 and 150ml, TELOS Phase Separators support a variety of reaction work-up scales.

In addition to single column formats, a 96-well plate is available for high throughput work-up.

Proprietary Frit

A proprietary hydrophobic frit allows the chlorinated solvent to pass through under gravity to the collection vessel. As soon as the aqueous layer reaches the frit, the flow stops, separating the two solvents.

Reliability

Aqueous-chlorinated mixtures can be applied to the column, the solvents left to separate and left unattended whilst the chlorinated solvent passes into the collection vessel. The collected fraction will be free of aqueous solvent. TELOS Phase Separators will hold up water for more than 48 hours.

Easy to Use

Place the appropriate TELOS Phase Separator on a Sample Processing Manifold. Following liquid-liquid extraction or work-up, apply the mixture to the correct size column, allow the two solvents to separate and collect the halogenated fraction – it is that simple! The aqueous layer will remain in the column.

For further information please request How to use Guide: TELOS Phase Separators for Liquid-liquid Extraction.

Part Number	Description	Pack Size
<i>Columns</i>		
950-0000-013T	TELOS Phase Separator, 6ml	100
950-0000-016T	TELOS Phase Separator, 15ml	100
950-0000-020T	TELOS Phase Separator, 25ml	100
950-0000-027T	TELOS Phase Separator, 70ml	50
950-0000-037T	TELOS Phase Separator, 150ml	25
<i>96-well Plate</i>		
950-0000-096P	TELOS Phase Separator, Fixed-well Plate	EACH

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