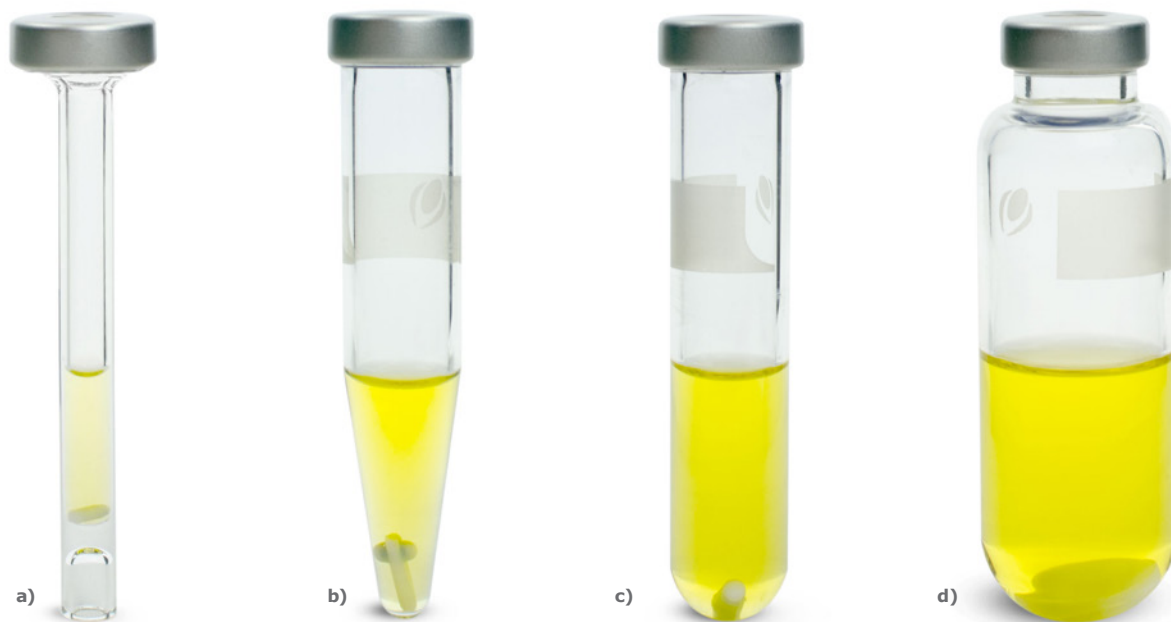


# Biotage® Microwave Reaction Vials

## Migrate from mg to g Without Reoptimization\*

Biotage high precision reaction vials are engineered for durability and safe reactions. All vials withstand 30 bar pressures in a wide range of conditions. Designed for use with Biotage® Initiator+ and Initiator microwave synthesizers.



**Figure 1.** Biotage® Microwave Reaction Vials, shown with caps/septa and magnetic stir bars inside.  
a) 0.2–0.5 mL, b) 0.5–2 mL, c) 2–5 mL, d) 10–20 mL.

### Simplicity

Simplicity is one of the benefits of modern microwave equipment. Reactions are performed in glass vials sealed with caps and heated in the microwave cavity. Chemists can quickly analyze reactions by sampling through a septum.

Biotage Microwave Vials are designed to support microwave synthesis from mg to g scale without the need for reoptimization. With the Biotage® Initiator+ microwave synthesizer, methods that are run at a lower volume are directly transferrable across the entire volume range of 0.2–20 mL.

### Magnetic Stir Bars

The reaction mixture is continuously stirred by magnetic stirring during the heating process promoting even heating throughout.

### Optimal Vial Sizes

Each Biotage Microwave Vial has been designed for safe and efficient heating within its specified volume range. Together,

the four vial types provide full scalability within the volume range of 0.2–20 mL.

### Multi-Gram Scale

Migrate directly to multi-gram scale without reoptimization\* using the 10–20 mL vials. These larger vials can also be used for preparation of scaffolds and intermediates or for generating larger quantities of active compounds for testing.

### Features and Advantages

- » With the Reseal™ design, the septum can be resealed after it has been penetrated, allowing repeated additions of reagents or in-situ sampling.
- » Manufactured from contaminant free microwave-safe glass.
- » Magnetic stirring promotes even temperature distribution throughout the entire reaction mixture, including heterogeneous mixtures.
- » Available in four sizes: 0.2–0.5 mL, 0.5–2.0 mL, 2.0–5.0 mL and 10–20 mL.



















\*Biotage Microwave Vials 10–20 mL cannot be used with temperatures above 250 °C and/or pressures above 20 bar.

## Microwave Synthesis in Four Simple Steps



- Step 1.** Add stir bar
- Step 2.** Add reagents and solvents
- Step 3.** Cap
- Step 4.** Process

## Ordering Information

Part Number	Description	Reaction Vial	Cap with Septum	Stir Bar
<b>355458</b>	<b>Biotage Microwave Reaction Kit, 0.2–0.5 mL</b> Microwave vials 0.2–0.5 mL (qty. 100), aluminum caps with septa (qty. 100) and magnetic stir bars (qty. 100).	100 x 	100 x 	100 x 
<b>352016</b>	<b>Biotage Microwave Reaction Kit, 0.5–2 mL</b> Microwave vials 0.5–2 mL (qty. 100), aluminum caps with septa (qty. 100) and magnetic stir bars (qty. 100).	100 x 	100 x 	100 x 
<b>354625</b>	<b>Biotage Microwave Reaction Kit, 0.5–2 mL</b> Microwave vials 0.5–2 mL (qty. 300), aluminum caps with septa (qty. 300) and magnetic stir bars (qty. 300).	300 x 	300 x 	300 x 
<b>351521</b>	<b>Biotage Microwave Reaction Kit, 2–5 mL</b> Microwave vials 2–5 mL (qty. 100), aluminum caps with septa (qty. 100) and magnetic stir bars (qty. 100).	100 x 	100 x 	100 x 
<b>354624</b>	<b>Biotage Microwave Reaction Kit, 2–5 mL</b> Microwave vials 2–5 mL (qty. 300), aluminum caps with septa (qty. 300) and magnetic stir bars (qty. 300).	300 x 	300 x 	300 x 
<b>354833</b>	<b>Biotage Microwave Reaction Kit, 10–20 mL</b> Microwave vials 10–20 mL (qty. 50), aluminum caps with septa (qty. 50) and magnetic stir bars (qty. 5).	50 x 	50 x 	5 x 

### EUROPE

Main Office: +46 18 565900  
 Toll Free: +800 18 565710  
 Fax: +46 18 591922  
 Order Tel: +46 18 565710  
 Order Fax: +46 18 565705  
 order@biotage.com  
 Support Tel: +46 18 56 59 11  
 Support Fax: +46 18 56 57 11  
 eu-1-pointsupport@biotage.com

### NORTH & LATIN AMERICA

Main Office: +1 704 654 4900  
 Toll Free: +1 800 446 4752  
 Fax: +1 704 654 4917  
 Order Tel: +1 704 654 4900  
 Order Fax: +1 434 296 8217  
 ordermailbox@biotage.com  
 Support Tel: +1 800 446 4752  
 Outside US: +1 704 654 4900  
 us-1-pointsupport@biotage.com

### JAPAN

Tel: +81 3 5627 3123  
 Fax: +81 3 5627 3121  
 jp\_order@biotage.com  
 jp-1-pointsupport@biotage.com

### CHINA

Tel: +86 21 68162810  
 Fax: +86 21 68162829  
 cn\_order@biotage.com  
 cn-1-pointsupport@biotage.com

### KOREA

Tel: +82 31 706 8500  
 Fax: +82 31 706 8510  
 korea\_info@biotage.com  
 kr-1-pointsupport@biotage.com

### INDIA

Tel: +91 11 45653772  
 india@biotage.com

Distributors in other regions are listed on [www.biotage.com](http://www.biotage.com)

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