

① **DURAN® baffled wide mouth bottle GLS 80®**

During mixing in standard GLS 80® laboratory bottles, the liquid moves in a swirling motion that approximates a solid-body rotation. The entire fluid, and any suspended particles, moves like a carousel. This is a very inefficient flow pattern, and very little mixing actually occurs. By adding three vertical baffles into the inner surface of the DURAN® GLS 80® bottles, the swirling motion is disrupted, and a much more effective mixing occurs. The baffles improve the top-to-bottom circulation and produce a greater radial mixing. The baffles also offer other advantages such as suppressing the formation of a central vortex, and reducing dead-zones where mixing does not occur.

With polypropylene pouring ring and GLS 80® cap.

Applications:

- Aerating
- Dissolving
- Emulsifying
- Homogenizing
- Mixing
- Suspending

Features:

- The baffled GLS 80® bottles are fully compatible with both the DURAN® GLS 80® magnetic stirrers, and other magnetic stir bars.
- Manufactured from DURAN® borosilicate 3.3 glass, renowned for its excellent thermal performance and high resistance to chemical attack.
- The bottles are fully autoclavable.
- Available in three convenient sizes: 250, 500 and 1.000 ml.
- The wide 65 mm inner diameter of the GLS 80® wide mouth provides easy access to the contents, or for cleaning.
- The baffles are moulded into the glass side wall of the bottles and form a continuous, smooth inner surface making clean-up easy.
- Compatible with full range of wide mouth GLS 80® connection cap systems for liquid addition or removal when mixing with stir bars.
- The bottles feature an easy-to-read graduated volume scale.

Article	Volume ml	Overall height mm	Order No.
DURAN® baffled wide mouth bottle GLS® 250	250	110	10 21 12158
DURAN® baffled wide mouth bottle GLS® 500	500	153	10 21 12157
DURAN® baffled wide mouth bottle GLS® 1000	223		10 21 12153

Accessories

Article	Order No.
② DURAN® stirred reactor cap for 250-ml GLS-80® bottles with paddle wheel magnetic stirrer, 4 connections (2 × GL 18 and 2 × GL 14)	10 21 19107
DURAN® stirred reactor cap for 500- or 1000-ml GLS-80® bottles with anchor-shaped mag- netic stirrer, 4 connections (2 × GL 18 and 2 × GL 14)	10 21 10279

