

Product Data Sheet

Bead Plate 45 100/500

Cat. #: BP45-100500

Product Description:

Bead Beat Plate 45 100/500 is designed for the lysis of gram positive, gram negative, yeast, and fungal cells. Bead Beat Plate 45 100/500 is a 96 well 2ml deep well plate with 400ul of bead beating beads in 45 wells (top 4 rows filled). Bead beating beads consist of a mixture of 100 and 500 micron silica spheres. Bead beating can be performed using various bead beating instruments in buffers that do not encourage DNA binding to silica. Bead Beat Buffer (Cat# BBB-1000) is a recommended buffer for this purpose by allowing downstream DNA purification when used as directed.

Bead Beat Buffer can be used to resuspend cell pellets, or samples can be diluted into Bead Beat Buffer at a final ratio of 20% or lower and then added to wells of “Bead Plate 45 100/500“ for lysis on a bead beating instrument. Under these conditions, Bead Beat Buffer includes guanidine isothiocyanate at a concentration high enough to allow binding to “DNA/RNA binding beads” (Cat# DRBB-R-1000) or equivalent products with the addition of isopropanol at a concentration greater than or equal to 28%. Isopropanol should not be added prior to transferring the lysed cell supernatant off lysing beads to prevent DNA sticking and loss.

Contents and Storage:

Component	Catalog No.	Format	Bead Size	Fill volume	Quantity	Storage
Bead Plate 45 100/500	BP45-100500	96 well plate (45 wells filled)	100 and 500 micron	400 ul	1 plate	-20°C to 100°C

Safety:

Inert, no known safety concerns.