



Instructions for use

WorkBeads 40 DEAE

Product Name	Volume	Article Number
WorkBeads 40 DEAE	Bulk Media - 25 ml	40 150 001
WorkBeads 40 DEAE	Bulk Media - 200 ml	40 150 002
WorkBeads 40 DEAE	Bulk Media – 1 Litre	40 150 010
WorkBeads 40 DEAE	Bulk Media – 5 Litre	40 150 050

The product contains ethanol as a preservative.

PACKING OF BULK MEDIA

The ion exchange groups are attached to WorkBeads 40 i.e. beads that have a mean bead size of 40 micrometer. The beads are cross-linked with a proprietary method that results in very rigid beads that can take pressure of several bars and run at high flow rates. Follow this general advice when packing a column as well as the column manufacture's specific instructions. Preferably, use a column with an adjustable adaptor. In some instances a packing reservoir or column extension may be used.

Make 50% slurry of the gel and pour into the column. Pack the media with a downward flow higher than the intended operational flow or maximum 10 cm/min linear flow rate. When the bed height is constant, stop the flow and place the adjustable adaptor on top of the packed bed and squeeze it down approximately 2 mm into the bed (axial compression).

Equilibrate the column with a few column volumes of buffer and the column is ready for use.

Typical buffer for a standard experiment is 50 mM phosphate buffer at pH 7,4 using a linear gradient of 0-0.5 M NaCl in the same buffer. If the sample is a natural mixture make sure conductivity and pH is similar.

Clean in Place (CIP) and sanitation

This can be done before and after use to clean the column. Wash the column with 0.5-1 M NaOH. Equilibrate with buffer,