

DOMINIQUE DUTSCHER SAS

Amersham™ MicroSpin S-200 HR Columns

MicroSpin S-200 HR spin columns for rapid DNA purification of labeled single-stranded or double-stranded DNA fragments ≥50 bases in length in applications including desalting, buffer exchange, and primer removal using spin-column chromatography.

Overview

MicroSpin S-200 HR spin columns for rapid DNA purification of labeled single-stranded or double-stranded DNA fragments ≥50 bases in length in applications including desalting, buffer exchange, and primer removal using spin-column chromatography.

- Prepacked with Sephacryl™ S-200 HR resin pre-equilibrated in TE (Tris/EDTA) buffer
- >80% sample recovery
- Tested in nickase, single- and double-stranded exonuclease, and RNase assays

MicroSpin columns are designed for rapid nucleic acid purification for use in a wide range of applications, including desalting, buffer exchange and removal of primers. Good product yield and purity are obtained with sample volumes from 25-100 µL, and from nanogram to milligram quantities of DNA.

MicroSpin S-200, *S-300* and *S-400* HR spin columns contain Sephacryl resin of differing pore sizes. They allow DNA purification by the process of gel filtration. Molecules larger than the largest pores in the Sephacryl are excluded from the gel and elute first. Intermediate size molecules penetrate the matrix to varying extents, depending on their size and the resin used. Penetration of the matrix retards progress through the column; very small molecules elute last. The volume required to elute these small molecules is dependent on the volume available both inside and outside the pores i.e. the bed volume.

Product specifications
Amersham MicroSpin S-200 HR Columns

Catalog code	27512001

Application	For the rapid purification of DNA for a wide range of applications, including desalting, buffer exchange, removal of dye terminators from cycle sequencing reactions and removal of labeled nucleotides from DNA labeling reactions
Sample volume	< 100 µl
Storage	4°C, TE buffer (10 mM Tris/HCl, 1mM EDTA, pH 7.6)

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