

论文

管式逆流分配器

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摘要:

本文设计了一种管状的逆流分配器,每支可容100毫升溶剂(移动相与固定相各50毫升)分配,100支折迭构成立方体装置,占28×55×40厘米。

关键词:

A NEW COUNTERCURRENT DISTRIBUTION APPARATUS

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Abstract:

A countercurrent distribution apparatus is described. It is more compact than the apparatus of Craig and Post. It can take a large number of tubes with greater capacity in the extraction train, and permits close mounting in compact racks. A 100-tube extraction train of 100 ml capacity (50 ml upper and 50 ml lower phases) per tube occupies a space of 28×55×40 cm. The tube shown in figure 1 (1), (2) is made from 2.8×55 cm glass tubing. "A" is a reservoir (more than 50 ml), "B" is an equilibration cell, approximately 200 ml in volume, the length of the lower part of the cell is adjusted to 50 ml in volume at the time of construction. All the tubes in the apparatus are joined together through "b" and "a" by glass tubing. The extraction train consists of 10 frames of 10 tubes each mounted in a rack rotating on a main shaft, as shown in figure 3. A filling dipper shown in figure 1, (3) is joined to "b" of the first tube.

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