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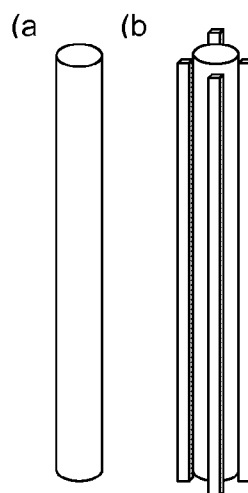
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(54) Title: CHROMATOGRAPHY MEDIA AND METHOD

Fig. 1a-1b

1(a)-c): A schematic illustration of fibers of the inventive concept.

(57) **Abstract:** Adsorptive media for chromatography, particularly ion-exchange chromatography, derived from a shaped fiber. In certain embodiments, the functionalized shaped fiber presents a fibrillated or ridged structure which greatly increases the surface area of the fibers when compared to ordinary fibers. Also disclosed herein is a method to add surface pendant functional groups that provides cation-exchange or anion-exchange functionality to the high surface area fibers. This pendant functionality is useful for the ion-exchange chromatographic purification of biomolecules, such as monoclonal antibodies (mAbs).



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