Syropy AI Connectivity

Tail fiber chromatographic sorting

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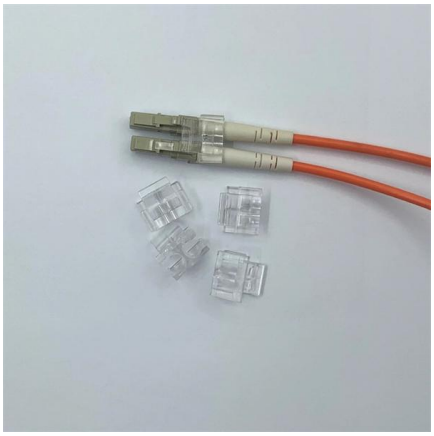
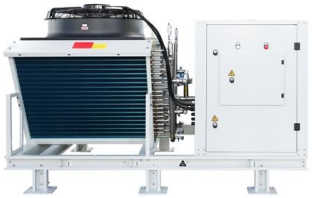


Fiber chromatographic enabled process intensification increases

The goal in this work was to increase yield by utilizing fiber chromatography for process compression. With speedto - - clinic being a competitive advantage and limited time available in contract

An annular-flow, hollow-fiber membrane chromatography device for

However, application of membrane chromatography has largely been restricted to low-resolution separation applications, primarily due to limitations associated with poorly designed

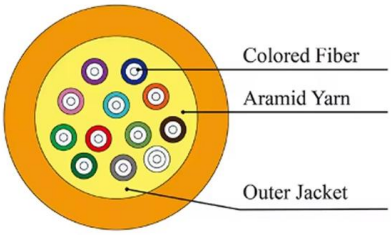


Characterization of the chaperone independent A5 tail

The incongruity of phage A5 encoding a chaperone with stronger tail fiber binding properties, but is also not required for producing functional tail fibers, suggests

Functional domains of Acinetobacter bacteriophage tail

In this study, we analyzed the tail fibers of published Acinetobacter phages and identified different functional domains present. These data will enable



Modified Bacteriophage Tail Fiber Proteins for Labeling,

Denyes JM, Dunne M, Steiner S et al (2017) Modified bacteriophage S16 long tail fiber proteins for rapid and specific immobilization and detection of Salmonella cells.

Selection of Optical Fiber for Chromatographic Detectors and Remote

Optical fibers are routinely used in liquid chromatographic detectors as a means of simplifying optical designs. Selection of the appropriate fiber is an important factor in achieving

National Center for Biotechnology Information

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Design and Fabrication of 3D-Printed Lab-On-A-Chip Devices for Fiber

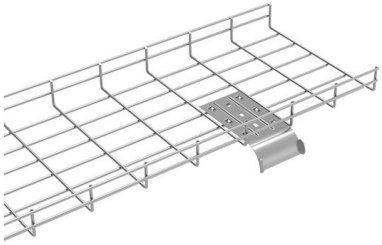
An ideal sorting device should allow for both high sorting ef -fi ciency and reliable sorting consistency. Sorting ef ciency refers fi to the proportion of correctly sorted particles in relation to the total particles

Phage T5 Straight Tail Fiber Is a Multifunctional Protein Acting as a

Our data suggest that Pb2 not only forms the straight tail fiber but also fulfills the criteria of tape measure proteins. Furthermore, we show that its C-terminal region shares common features

Phage T5 Straight Tail Fiber Is a Multifunctional Protein

This study sheds some light on the mechanism underlying the conversion of phage T5 straight tail fiber Pb2 from a phage-attached protein to a membrane-active



Fibersort Making closed-loop textiles a reality

Fibersort® is a textile sorting machine that uses Near Infrared Spectroscopy (NIRS) scans to identify and separate textiles based on fiber composition. The machine uses AI models to predict the

Progress towards monodisperse single-walled carbon

This review highlights post-synthetic approaches for sorting single-walled carbon nanotubes -- including selective chemistry, electrical breakdown,

RBPseg: A Tool for Tail Fiber Structure Prediction

RBPseg is a pipeline designed to predict and analyze phage tail fiber proteins. It has three major modules.

Intracellular sorting of the tail-anchored protein cytochrome

Abstract Tail-anchored (TA) proteins are bound to membranes by a hydrophobic sequence located very close to the C-terminus, followed by a short luminal polar region. Their active

Design and Fabrication of 3D-Printed Lab-On-A-Chip Devices for Fiber

In this work, 3D-printed microfluidic devices are designed and fabricated for optical chromatography and sorting. Optical chromatography is performed by inserting a single-mode optical

Separation and colorimetric detection of Escherichia coli by phage tail

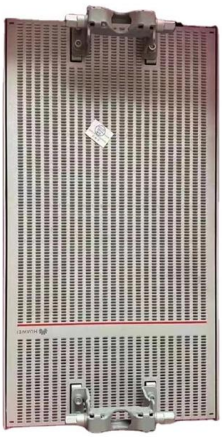
Herein, we established a new strategy to specifically separate and colorimetrically detect E. coli in water samples based on TFP-conjugated magnetic beads (TFP-MBs) and chromogenic

Fiber-based monolithic columns for liquid chromatography

Fiber-based monoliths for use in liquid chromatographic separations are defined by columns packed with aligned fibers, woven matrices, or contiguous fiber structures capable of

Fibers sorter method or Array method , Textile study center

Fiber length measurement As single fiber measurement takes time and hand stapling requires experience, alternative methods have been

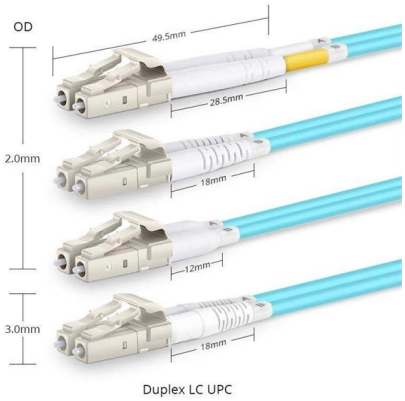


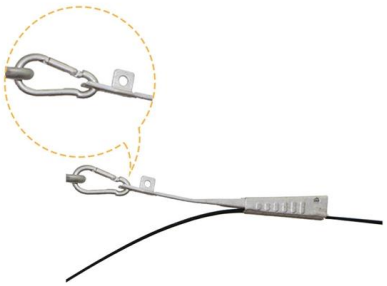
Liquid Chromatography Methods for Analysis of mRNA Poly(A) Tail

You have to enable JavaScript in your browser's settings in order to use the eReader.

Peak Tailing in Chromatography: Troubleshooting Basics

Explore the essentials of troubleshooting peak tailing, including pro tips, and suggestions for accurate and reliable chromatography.





Branched Lateral Tail Fiber Organization in T5-Like Bacteriophages

(A) Organization of the tail fiber loci in bacteriophages T5, DT57C, DT57-1/2, DT571/2-ABF, and (partially) phiEco32. The similarity of the a.a. sequence regions in LTFs of T5-like phages

Towards a complete phage tail fiber structure atlas.

In this paper, we introduce RBPseg, a method that combines monomeric ESMfold predictions with a novel sigmoid distance pair (sDp) protein segmentation technique. This method

Phage tail fibre assembly proteins employ a modular structure to drive

Despite the wide occurrence of Tfa proteins, their functional mechanism has not been elucidated. Here, we investigate the tail fibre and Tfa of Escherichia coli phage Mu.

An Introduction to Peak Tailing, Fronting and Splitting in

A combination of all the above Peak shape changes are commonly observed in chromatography, and it is possible to quantitatively track peak shape over time. The causes of peak

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