Principles and Methods of Chromatography for Monitoring Tail Fibers

Explore the principles, types, and modern applications of chromatography techniques in this comprehensive guide.

To acquire atomic-level structural details, the tail particles were divided into three distinct reconstructions: tail cap, tail tip, and tail fiber (Figure 1 B). Each section was analyzed separately to ...

In this study, we reveal how Alteromonas mediterranea schitovirus A5 shares its host recognition module, including tail fiber and cognate chaperone, with phages from distantly related families ...

Get theory, glossaries, workflows, protocols, recipes, and troubleshooting guides to help make your experiments a success.

9.8.2 Pyrolysis (Py) is an instrumental technique in which fibers are thermally decomposed, followed by analysis using either gas chromatography (Py-GC), mass spectrometry (Py-MS) or a combination of ...

This chapter will focus on the principles of chromatography, mainly liquid chromatography (LC). Detailed principles and applications of gas chromatography (GC) will be discussed in Chap. 29.

Understand chromatography from sample prep to detection, learn its principle, key parts, common types, factors, applications, pros, cons and safety tips.

In this chapter, we describe the development of the Salmonella phage S16 LTF (S16 LTF) into an affinity molecule as part of a novel assay to detect Salmonella cells.

Chromatography is yet another technique for the analysis and separation of chemical mixtures. The technique is based on a polarity interplay between the sample and two other substances called the ...

In this chapter, a brief discussion was made on the different chromatographic techniques based on their bed shape, different phases, separation mechanism, principle, procedure, and application. Emphasis ...

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