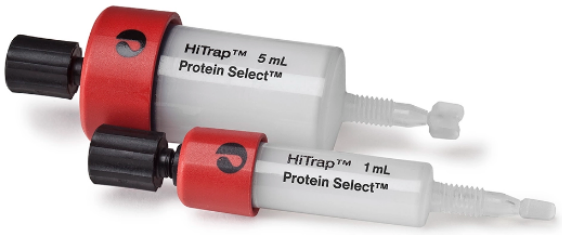
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Cytiva transforms protein purification with new affinity technology

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New affinity chromatography resin and tag combination is applicable from early research through to bioprocessing



US-headuartered Cytiva, a global leader in life sciences, has introduced the innovative Cytiva Protein Select technology, designed to streamline and accelerate recombinant protein purification.

The self-cleaving traceless tag and complementary affinity chromatography resin standardises purification for any protein, rendering it unnecessary to use specific affinity binding partners for each protein.

Protein purification is integral to basic research, drug discovery, process development, and bioprocessing. However, the diverse family of recombinant proteins - of which there are 1800 in the global pipeline this year alone - often lacks affinity binding partners to facilitate purification. A common strategy to facilitate the purification has been to add a tag to the protein; however, it cannot be removed cleanly for biotherapeutic applications.

Owing to Cytiva Protein Select technology, scientists can purify proteins using a simple protocol and receive highly pure, native proteins free of tag amino acids.

Process developers using this technology can experience easier, faster, and more efficient process development. Furthermore, the developed processes can become quicker and more cost-effective, requiring fewer chromatography steps.