

Proteomics Facility

IIT Indore Proteomics Facility is situated at Simrol campus, IIT Indore. Proteomics facility has equipped with AKTA Pure 25, Ettan IPGphor 3 Isoelectric Focusing Unit and Image Quant LAS 4000 System.



AKTA pure 25 Protein Purification System

ÄKTA pure chromatography systems are flexible and intuitive and enable fast purification of proteins, peptides, and nucleic acids, from microgram to tens of grams of target products. The AKTA pure system is used to purify proteins from natural or recombinant source using a number of different techniques. Recombinant protein which can be tagged and un-tagged proteins can be isolated using techniques such as Gel Filtration Chromatography, Ion Exchange Chromatography, Hydrophobic Interaction Chromatography, and various forms of Affinity Chromatography. ÄKTA pure can be tailored to a broad selection of hardware options from valves and tubing to monitors and fraction collectors. UNICORN control software can also be customized by addition of optional functionality such as Design of Experiments (DoE) for enhanced method optimization