Dear BPI-Boston 2017 participants,

JNC America Inc, manufacturer and global supplier of Cellufine chromatography media, is excited for this year's symposium with a great scientific program.
We would like to cordially invite you to the following events we will be hosting throughout the symposium at our Booth # 203:

Cellufine Chromatography Media Abstract – BPI-Boston 2017 Conference.

The Cellufine™ product line offers a broad range of chromatography resins for the purification of proteins, enzymes, and biomolecules. The media based on spherical cellulose beads, exhibits high chemical stability / mechanical strength, higher flux and inherently bio-compatible. Applications include protein / polysaccharide purification, endotoxin removal, and used worldwide purifying vaccines, therapeutic enzymes, and virus concentration / purification. Cellulose media have significantly lower Leachables than comparable polymeric beads.

Gel Filtration, IEX, Affinity, and HIC media available for broad range of biomolecules and applications. Cellufine customizes media / ligands, bead sizes for challenging purification process.
When Purity is Paramount…Cellufine™ Media Delivers

Oral Presentation

Presentation Submission to BPI Boston 2017

By: Masami Shiina1, Naoki Yamanaka2, Malcolm G. Pluskal 3 and Shigeyuki Aoyama2
From: 1JNC Corporation, Research Center, Minamata, Japan, JNC Corporation, R&D, Yokohama, Japan and 3JNC America, Cellufine Application Lab, Littleton, MA

Title: Development of a next generation cellulose based high capacity rProtein A capture resin for high through-put Mab purification in both batch and continuous purification formats.

Abstract:

A new product development approach will be described for the affinity capture of Mab's from cell culture el base stable rProtein A ligand. Using a stable cellulose base bead with excellent flow properties coupled with a novel immobilization methodology, a next generation rProtein A capture resin has been developed with a high level of antibody binding capacity.

The NEW Cellufine rProA G2 Media shows C10% dynamic binding capacity (DBC) of >50 mg/ mL with polyclonal antibodies at a residence time of 8 minutes. This resin has been shown to retain > 90% of its original binding capacity after 100 cycles of re-use with a 0.1M NaOH CIP step every 10th cycle. In continuous purification format, where more of the resin capacity is utilized >100 mg/mL DBC has been demonstrated with shorter 4-minute residence times. A high through-put screening (HTS) assay format has been developed to screen pH elution conditions. Polyclonal antibodies show efficient elution at pH 3.5 with a 0.1M Glycine HCL buffer.

Booth Exhibition #203

Date:
September 25-28, 2017
Location:
Hynes Convention Center
Boston, MA