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May 22, 2009

PhyNexus Welcomes CaptureSelect® Matrices To Its Custom PhyTip® Column Resin Packing Program

San Jose, Calif., May, 2009 – PhyNexus, Inc., today announced a new addition to its innovative approach to protein purification. The biopharmaceutical industry and academics both require new tools and procedures for obtaining pure antibodies and antibody fragments in small scale that retain the highest level of activity. PhyNexus addresses these needs with its PhyTip® column technology designed to obtain valuable purification schemes that directly apply to subsequent large-scale purifications. The PhyNexus custom packing program provides the flexibility of utilizing PhyNexus' patented technology with a plethora of commercially available purification resins. To add to this flexibility, PhyNexus has partnered with a leader in the antibody purification field, BAC BV, whose novel CaptureSelect® matrices were developed for affinity to specific antibody isotypes such as IgM and IgA as well as specific antibody domains. This specificity in domains, such as affinity to both Kappa and Lambda chains, allows for a complete range of capture while the flexibility of the PhyTip columns allows a single resin or a combination of resins to be contained in the same purification column to minimize sample volumes and process time.

The PhyTip columns, containing BAC's resins, are compatible with many commercial liquid handling platforms for parallel processing in an automated format. This allows quick and easy evaluation of multiple resins, constructs and/or purification conditions for optimal downstream processing. "We believe that the potential of the technology of each company, by themselves, is great, and there are synergies with the technologies together," says Doug Gjerde, CEO of PhyNexus. PhyNexus and BAC have executed a Technical Note of their combined technologies which can be found on both company websites. Both companies are eager to change the way antibody and antibody fragment purification is conceptualized by providing the tools to explore minute quantities with a wide range of scalable purification conditions early in an easy, automated process.

About the PhyTip custom resin packing program

PhyTip packs separation resins composed of beads at least 40µm in diameter. These columns are available in the 5 µL and 20µL resin bed sizes (200 µL column size) and 10, 20, 40, 80, 160 and 320 µL resin bed sizes (1000 µL column size). These columns are capable of purifying sample volumes of 25 µL up to 25 mL and can elute in volumes as low as 15 µL. Methods developed result in high quality and concentration with excellent reproducibility.

About the CaptureSelect resins

The CaptureSelect products are affinity ligands created by a proprietary technology based on *Camelid* derived single domain antibody fragments. These resins offer affinity and selectivity to antibody domains such a human Fc not available in any commercially available product.

About PhyNexus

PhyNexus Inc. has developed a unique technology to address the need for high throughput performance for small-volume protein purification with its range of PhyTip columns. These columns allow for rapid and routine parallel purification in a walk-away fashion. The instruments, columns and their use is the subject of several domestic and foreign patent applications. Visit www.phynexus.com for more information

About BAC BV

BAC BV produces unique affinity resins for the manufacture of antibody-based therapeutic drugs. The unique approach of developing affinity to specific antibody domains offers unparalleled performance compared to traditional affinity resins based upon bacteria coat proteins. Visit www.bac.nl for more information.

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