



Speeding up the development of purification methods

Purification experts rely on the reproducible performances and secured availability of SkillPak pre-packed columns to develop purification methods for biomolecules

Since the beginning of the COVID-19 pandemic, the public has realized, more than ever, how essential the biotechnology industry is in securing our civilization's future. Downstream processing does not receive the same public attention, but none of the ongoing fights against the coronavirus would have been possible without proper purification of biomolecules. At Tosoh

Bioscience, we always look at how we can enable our biopharma partners to provide safe and efficient therapies and vaccines against life-threatening diseases. Major tools to ensure fast scale-up of robust methods in the biopharma industry are pre-packed columns for early-stage development.

We launched the SkillPak® 1 and 5 mL pre-packed chromatography columns in April 2020. These columns have been welcomed by the biotech industry, as they offered a reproducible and efficient way of screening all innovative Toyopearl®, TSKgel®, and Ca++Pure-HATM process media. These columns guarantee optimal performance and can be operated with standard low- or medium-pressure liquid chromatography systems. They are reproducibly packed and take into account the varying compressibility of each resin – providing an accurate representation of conditions found in full-scale columns. In the past six months, we provided hundreds of columns to support the development of purification methods

for monoclonal antibodies, antibody fragments, and oligonucleotides. Several of those projects have now entered clinical phases thanks to high throughput screening and easy scale-up.

We have developed our own solutions for the packing of small-scale columns, which not only offers the best performance for every single column, but also allows for better control of the whole supply chain. We aim to provide short delivery times for all columns, with well-planned production, strategic stocks on several continents, and integrated logistics. We have put our plan to test over the last several months, and have reached our targets day after day, despite employee lockdowns, supply route closures, and exploding demand.

If you want to see for yourself how SkillPak 1 and 5 mL pre-packed columns can help you develop better purification method faster, order a free set of columns today at: bit.ly/SkillPakTMM