

We are excited to announce the upcoming launch of our innovative product designed for the efficient purification of Erythropoietin (EPO) and Darbepoetin (DPO) in a single step.

## CaptureSelect™ EPO Affinity Matrix

The product is designed to purify recombinant EPO and DPO in a single step, eliminating the need for multiple purification stages.

Features of this affinity matrix include:

- EPO purification with high purity and yield from recombinant sources
- The CaptureSelect EPO affinity ligand recognizes a proteinaceous epitope thereby covering all its glycosylation isoforms present in the feed
- Similar binding reactivity towards DPO
- Efficient elution at both acidic pH, like citric acid pH 3, and neutral pH conditions with additives like Calcium - or Magnesium Chloride in the range of 0.5 to 2.0 M
- Enabling a polishing step with Ion exchange resins to select for the high sialic acid containing variants from the eluate of the CaptureSelect EPO affinity matrix
- Excellent scalability
- Non-animal derived

CaptureSelect EPO Affinity Matrix is an affinity matrix that binds to EPO and DPO with high selectivity and yield, enabling a robust, fast, and efficient purification process with excellent purity obtained in one step.

### Animal Origin Statement

CaptureSelect products contain affinity ligands based on recombinant single-domain antibody fragments ( $V_{HH}$ ) created by a proprietary technology. The  $V_{HH}$  affinity ligand is a 12 to 15 kDa fragment comprising the three complementarity-determining regions (CDRs) that form the antigen-binding domain, efficiently produced in yeast *Saccharomyces cerevisiae* by a production process free of any animal components (Animal Origin-Free)

### Main characteristics:

**Matrix:** Epoxide activated

**Ligand:** CaptureSelect EPO affinity ligand

**Binding capacity:** >8 mg/mL EPO from feedstock

**Formulation buffer:** 20% (v/v) ethanol

Interested in evaluating a prelaunch sample?

## Contact us at:

[captureselectsupport@thermofisher.com](mailto:captureselectsupport@thermofisher.com)

For Research Use Only. Not for use in diagnostic procedures.