

Process Characterization Kit

Product Information

Cat#No# Pr-453C

Product Overview

The Process Characterization Kit is a tool for gaining deeper chromatography process understanding. The kit allows you to study the potential impact that resin ligand density might have on the process outcome.

Description

The Process Characterization Kit is a tool for gaining deeper process understanding. The kit consists of three bottles of the same chromatography resin. Each bottle has a defined ligand density level (high, average, low), which enables studies of the potential impact that this critical material attribute (CMA) might have on the process outcome.

With the increased molecular diversity and drive for higher productivity, the challenge of getting deeper understanding for sources of variability and set mitigation strategies grows. Studying the potential impact of ligand density variability provides invaluable information for developing strategies to ensure robust process performance.

Characteristic

Get critical insights on resin variation within ligand density specification interval.

Develop a solid control strategy to obtain a robust, and scalable downstream chromatography process.

Consists of three 25 mL bottles with different ligand densities, representing a low, average, and high value in the manufacturing envelope.

Available for multiple resins from the Capto family, supporting the following techniques: ion exchange chromatography (IEX), hydrophobic interaction chromatography (HIC), and multimodal chromatography (MMC).

Matrix

High-flow agarose

Average particle size

~ 40 µm

Ligand

Process Characterization Kit

Multimodal strong anion exchanger

Ligand density

0.08–0.11 mmol Cl-/mL resin

Storage

4°C to 30°C, 20% ethanol

Pack size

3 × 25 mL
