

PreDicator Capto DeVirS

Product Information

Cat#No# Pr-082P

Product Overview

PreDicator plates are disposable 96-well filter plates prefilled with BioProcess chromatography resins. PreDicator plates support highthroughput process development (HTPD) by allowing parallel screening of chromatographic conditions. They can be used in automated workflows using robotic systems, or can be operated manually using multi-channel pipettes. Each well in a PreDicator plate is prefilled with a defined amount of chromatography resin.

Description

Capto DeVirS is a chromatography medium that is designed to be used for the capture and intermediate stages of virus purification. The combination of high capacity with high flow rates and low backpressure reduces process cycle times and increases productivity. The Capto family range consists of modern process chromatography media designed for fast, efficient, and cost-effective purification that meets the stringent demands of modern large-scale biopharmaceutical and vaccine manufacturing processes.

Characteristic

Support high-throughput process development (HTPD) by allowing parallel screening of chromatographic conditions.

Allow fast and efficient evaluation of parameters for binding/wash/elution conditions, and resin benchmarking. Each is pre-filled with defined amounts of BioProcess chromatography resin. PreDicator 96-well filter plates can be used with centrifugation or vacuum, manually, or in automated robotic systems.

Reduced experimental time: the time-scale for performing screening experiments can be reduced from weeks to hours.

Low sample consumption: new format significantly reduces sample consumption.

Increased process understanding: the enlarged experimental space allows for a significant increase in process understanding.

Matrix

Highly cross-linked agarose

PreDicator Capto DeVirS

Average particle size

75 µm

Ligand density

70 to 130 µmol S/ml drained gel

Recommended flow rate

At least 600 cm/h in a 1 m diameter column with a 20 cm bed height at 20°C using process buffers with the same viscosity as water at < 3 bar (0.3 MPa).

Recommended column height

20 to 40 cm

Chemical stability

All commonly used aqueous buffers, 0.1 M NaOH.

pH working range

6 to 14

CIP stability

7 to 13

Temperature stability

4°C to 30°C

Storage

4 to 8°C, 20% Ethanol

Cleaning-in-place

We recommend CIP after each cycle with 1 M NaOH for at least 30 min in reversed flow.

Sanitization

0.5 to 1.0 M NaOH with a contact time of 1 h

Pack size

PreDicator Capto DeVirS

4 × 96-well filter plates

Dimensions

127.8 x 85.5 x 30.6 mm

Column volume

800 µL

Functional group

Dextran sulfate

Number of wells

96

Material

Polypropylene (PP) and Polyethylene (PE)

Resin suspensions in total volumes

200 µl for 2 µl sedimented resin/well 500 µl for 6, 20, and 50 µl sedimented resin/well For PreDicator isotherm plates: – 500 µl for 50 µl sedimented resin/well – 200 µl for 20 µl sedimented resin/well – 500 µl for 8 µl sedimented resin/well – 375 µl for 6 µl sedimented resin/well – 250 µl for 4 µl sedimented resin/well – 125 µl for 2 µl sedimented resin/well.

Centrifugation force recommended

100 x g (Sample Dependent)-500 x g (Sample Dependent)

Centrifugation force max.

700 x g

Operating temp. max.

30°C

Operating temp. min.

4°C