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Certificate of Analysis

Description of the Kit:

- (a) Name: SepSphere™ Antibody/Protein/Enzyme Immobilization Kit via CNBr Activation
- (b) Part Number: CM71544
- (c) Lot Number: S212.s9.0721

Description of the Solid Support:

- (a) Name: CNBr-activated agarose beads
- (b) Part Number: CM71609
- (c) Lot Number: 4000.s14.060719
- (d) Matrix: 4% beaded agarose (source: GE Life Sciences, Sepharose® 4B)
- (e) Particle Size: 45 – 165 µm
- (f) Mean Bead Size: 90 µm
- (g) Ligand Concentration: N/A
- (h) Protein Loading Assessed by Protein A: 0.14 µmol/mL settle beads

Description of the Immobilized Product:

- (a) Immobilization Chemistry: immobilize via cyanogen bromide-activated agarose
- (b) Chemical Stability: All commonly used aqueous buffers
- (c) pH Stability: Long term: 3 to 9; Short term: 2 to 10
- (d) Physical Stability: Negligible volume variation due to changes in pH or ionic strength

Kit Performance Data:

Protein A is used to test the activity of the CNBr-activated agarose beads and the efficiency of the immobilization using this kit content. Ligand density is calculated by the difference in UV reading for the protein solution before and after immobilization. The binding capacity of the immobilized resin is assessed by human IgG.

- (a) Protein A ligand density: ~6.7 mg protein A/mL settle beads
- (b) Binding capacity: ~53 mg human IgG/mL settle beads

Intended Use: For research and development use only.

Hazard Information: See SDS.

Shelf Life, Storage Conditions, and Expiration Date: Shelf life of this compound is estimated to be 2 years from the date of packaging. Box 1 is stored at RT and Box 2 should be stored at 2-8°C.

Date of Packaging: March 21, 2020

Retested Date: March 21, 2022

Note: Sepharose is a registered trademark of GE Healthcare Bio-Sciences AB