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Subject: OPUS® Pre-Packed Chromatography Columns Animal/Human Origin Free Statement

To whom it may concern,

Repligen manufactures OPUS® pre-packed chromatography columns in the United States of America and the Netherlands using plastics sourced from qualified suppliers, which are not of animal or human origin. All plastic product contact materials used in OPUS columns with internal diameters $\geq 2.5\text{cm}$ are animal free and compliant with EMA/410/01. Therefore, to the best of our knowledge OPUS columns animal and human origin free.

It must be advised however, that Repligen does not perform routine analysis for the presence of these compounds. All final assessments for the risk of nitrosamine impurities must be conducted by the end-user of these products.

Sincerely,



James Hendrickx
Director of Quality, Repligen Corporation