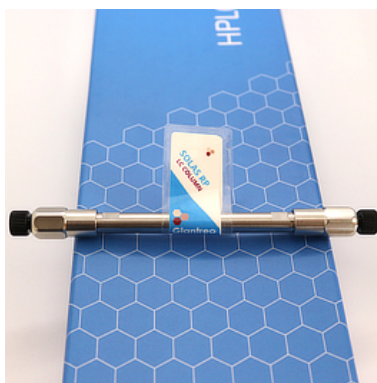
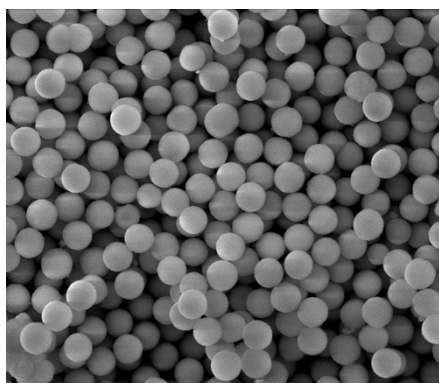
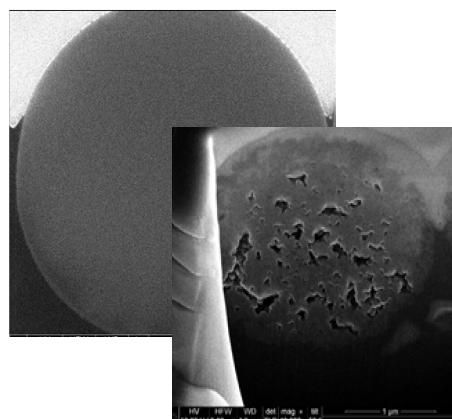


SOLAS HPLC & uHPLC Columns contain Glantreo's proprietary and in-house manufactured fully porous silica particles. These particles represent the cutting edge in silica technology and are unique in that they combine particle monodispersity, and monodensity along with a wide range of pore sizes through Glantreo's Controlled & Stable Porosity (CSP) process. Building on these innovative particles, Glantreo have developed a range of bonded phases with which they functionalise their particles. These stationary phases once packed provide our customers with the world-class chromatography columns. The below table shows the range of particle sizes, pore sizes, bonded phases, and column dimension available.

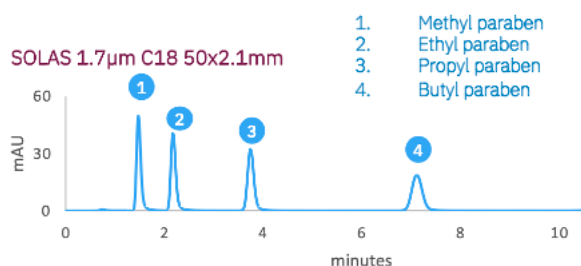
SEM of SOLAS Particles



FIB of SOLAS v Competitor



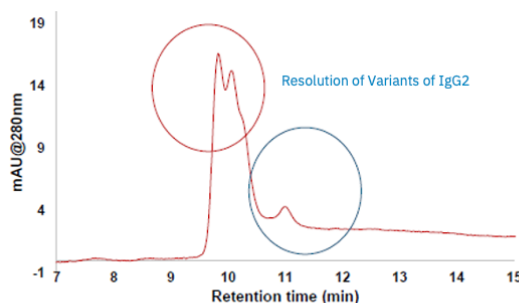
SOLAS RP Chromatography



Mobile Phase: 35/65 Acetonitrile/Water; Flow rate: 0.2 mL/Minutes; Injection Volume: 1.0 µL; UV: 254 nm

SOLAS BIO Chromatography

SOLAS C4 50x2.1mm 1.7µm 1000A°



Mobile Phases (AMT): A – LC-MS grade Water containing 5% n-propanol and 0.2% TFA and B – LC-MS grade Water containing 70% n-propanol, 20% Acetonitrile and 0.2% TFA. Flow Rate: 0.4 mL/min. Detection: 205 nm, 214 nm, 240 nm, 280 nm. Temperature: 60°C. Sample: NIST mAb, IgG2 Injection Volume – 10 µL

Features of SOLAS RP & Bio Columns

Particle Sizes	1.7µm, 1.9µm, 3.0µm, 5µm (others available on request)
Pore Sizes	RP: 100A BIO: 300A, 1000A
Chemistries	C18, C18+ (wider pH range), C8, C4, C1 (TMS), C30, Silica, Phenyl, Phenyl Hexyl, Phenyl Hexyl +, Bi-Phenyl, PFP, Diol, Cyano, RP-Amide, Amino (NH ₂)
Hardware Dimensions	IDs: 2.1mm, 3.0mm, 4.0mm, 4.6mm Lengths: 30mm, 50mm, 100mm, 150mm, 250mm (semi prep and prep dimensions also available)
Column Guards	Same IDs as column in 5mm & 10mm lengths. Direct & In-direct. Peek & SS

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