



What is the difference between FPLC vs GP-HPLC (LipoSEARCH®)

Dear Valued Customers,

We hope this newsletter finds you well and wish you all the best for this year. We are all still fighting with COVID19 around the world, but hopefully we can all survive through valuable business network in new normal environment. In this newsletter, we would like to share the information what is the difference between well known method FPLC and GP-HPLC (LipoSEARCH®).



Sometimes our service GP-HPLC (LipoSEARCH®) is confused with FPLC by our customers. The following table shows the main differences between FPLC vs GP-HPLC (LipoSEARCH®).

Item	FPLC	GP-HPLC (LipoSEARCH®)
Test method	FPLC system with Superose 6 column has been used for Lipoprotein analysis which enable the separation and purification of biological macromolecules with high precision. Complicated analysis steps (Need to collect Fractions and each fraction should be analyzed).	Using customized specific columns for fully automated gel-permeation high-performance liquid chromatography (GP-HPLC) with unique data analysis algorithm (patented).
Available Data (Cho and TG)	Only VLDL, LDL, and HDL	Complete set 4 major classes (CM, VLDL, LDL and HDL) 20 subclasses Particle Numbers (PNs) Size (Size-based separation) Raw data
Sample Volume	Large amount (must be taken from a single animal or pooled from several animals in a study group)	Small amount Human (45µL) Animal (35µL)
Type of Samples	Various species	Various species
Time per sample	40 - 60 min	25 min
Lead Time	-	5-10 days

Please feel free to contact us if you have any questions.

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