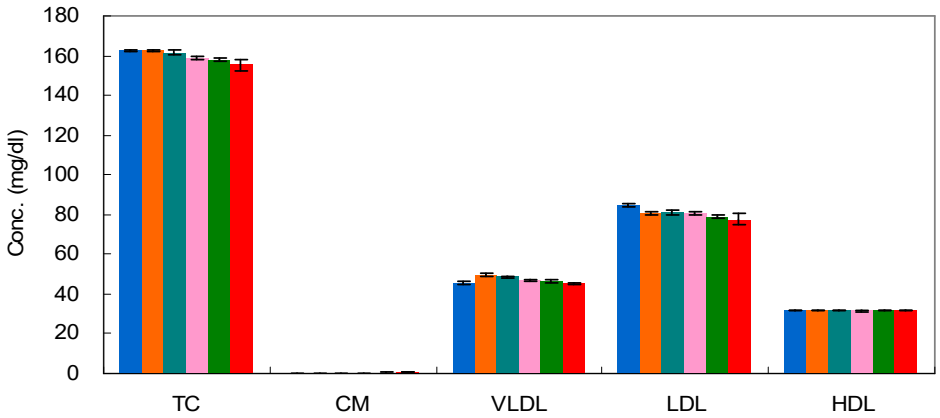
Effects of freezing and thawing on samples

LipoSEARCH
Lipoprotein Profiling Service

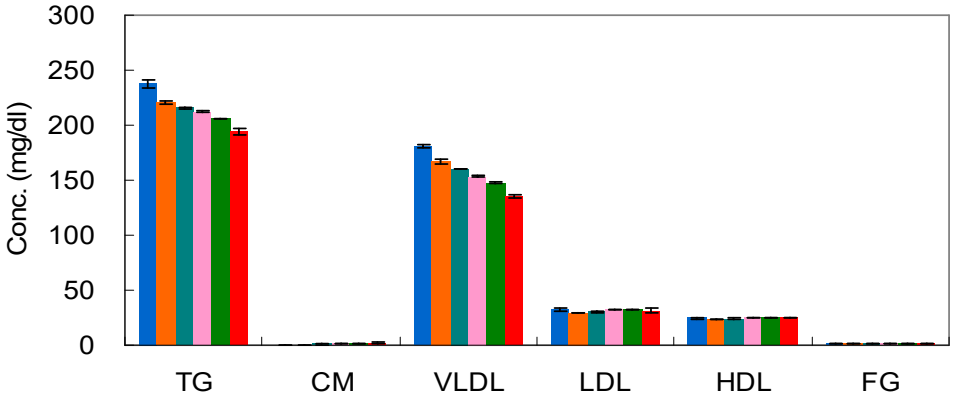
Effects of freezing and thawing on cholesterol level



* Human serum, average of three measurements

# of times	TC	s.d.	CM	s.d.	VLDL	s.d.	LDL	s.d.	HDL	s.d.
0	163	0.64	0.01	0.00	45.8	0.93	84.8	1.06	32.0	0.12
1	163	0.47	0.07	0.01	49.8	0.77	80.7	0.78	31.9	0.19
2	162	1.16	0.15	0.01	48.6	0.64	81.1	1.17	31.8	0.24
3	159	0.83	0.27	0.01	46.9	0.28	80.5	0.74	31.5	0.29
4	158	0.83	0.40	0.02	46.5	0.51	79.3	0.74	31.6	0.08
5	155	2.80	0.55	0.01	45.3	0.35	77.6	3.10	31.7	0.08

Effects of freezing and thawing on triglyceride level



* Human serum, average of three measurements

# of times	TG	s.d.	CM	s.d.	VLDL	s.d.	LDL	s.d.	HDL	s.d.
0	238	3.57	0	0.18	181	2.03	33	1.44	24	0.56
1	220	1.9	0.4	0.16	167.0	1.66	29.4	0.50	23.6	0.27
2	216	0.8	0.8	0.08	160.4	0.37	30.3	0.54	24.2	0.14
3	212	1.1	1.1	0.17	153.6	0.91	32.3	0.31	25.1	0.29
4	206	0.4	1.6	0.26	147.5	0.98	32.2	0.27	24.8	0.46
5	194	3.4	2.1	0.15	135.4	0.92	31.4	1.77	25.1	0.63

Skylight Biotech

Long-term storage of frozen samples

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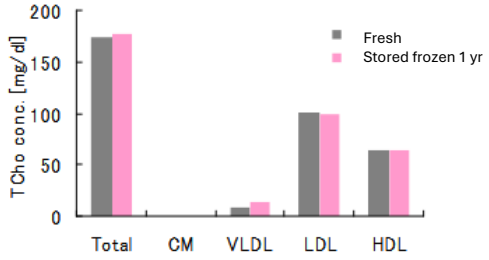
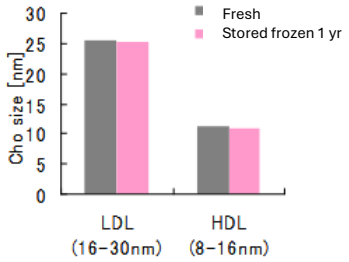
Example of cholesterol and triglyceride level of samples freshly collected vs stored frozen for one year (human EDTA-plasma, stored at -80˚C, freeze-thaw: 1 cycle)

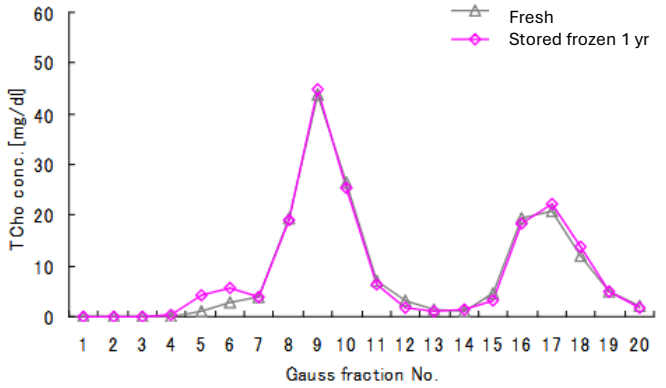
Cholesterol level



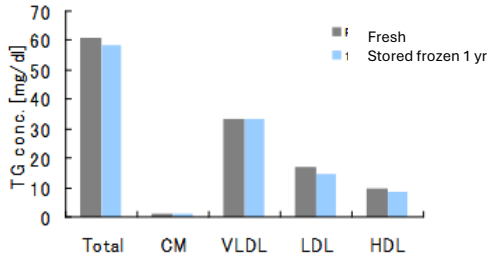
Particle size



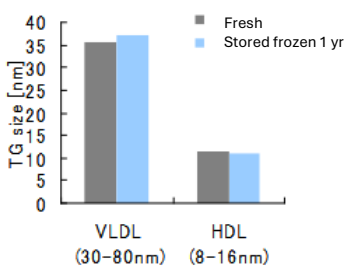
20 subclasses- cholesterol level



Triglyceride level



Particle size



20 subclasses- triglyceride level