

Vaccine System Suitability Report

No blank peak should appear within the retention time window of the lipid peaks (RT 4 to 20 mins) **Pass / Fail**

The %RSD of the peak area and retention time of the first 3 SST injections must be NMT 5.0% **Pass / Fail**

Peak Results Retention Time Summarized by Name					
	Result Id	ALC-0159 (min)	cholesterol (min)	ALC-0315 (min)	DSPC (min)
1	8284	6.168	10.526	14.225	18.824
2	8286	6.193	10.531	14.262	18.840
3	8288	6.186	10.533	14.299	18.840
Mean		6.183	10.530	14.262	18.835
% RSD		0.21	0.03	0.26	0.05

Peak Results Area Summarized by Name					
	Result Id	ALC-0159 ($\mu\text{V}\cdot\text{sec}$)	cholesterol ($\mu\text{V}\cdot\text{sec}$)	ALC-0315 ($\mu\text{V}\cdot\text{sec}$)	DSPC ($\mu\text{V}\cdot\text{sec}$)
1	8284	893167	2056832	5420217	1415212
2	8286	877754	2052182	5393244	1409869
3	8288	886349	2046169	5388664	1408846
Mean		885756.8	2051727.6	5400708.2	1411308.8
% RSD		0.87	0.26	0.32	0.24

The %RSD of the peak area and retention time of the all 5 SST injections must be NMT 5.0% **Pass / Fail**

Peak Results Retention Time Summarized by Name					
	Result Id	ALC-0159 (min)	cholesterol (min)	ALC-0315 (min)	DSPC (min)
1	8284	6.168	10.526	14.225	18.824
2	8288	6.186	10.533	14.299	18.840
3	8286	6.193	10.531	14.262	18.840
4	8290	6.194	10.502	14.475	18.798
5	8292	6.208	10.498	14.490	18.786
Mean		6.190	10.518	14.350	18.818
% RSD		0.23	0.16	0.86	0.13

Peak Results Area Summarized by Name					
	Result Id	ALC-0159 ($\mu\text{V}\cdot\text{sec}$)	cholesterol ($\mu\text{V}\cdot\text{sec}$)	ALC-0315 ($\mu\text{V}\cdot\text{sec}$)	DSPC ($\mu\text{V}\cdot\text{sec}$)
1	8284	893167	2056832	5420217	1415212
2	8288	886349	2046169	5388664	1408846
3	8286	877754	2052182	5393244	1409869
4	8290	897276	2072185	5491034	1416940
5	8292	894694	2076537	5496854	1413396
Mean		889847.9	2060780.9	5438002.5	1412852.5
% RSD		0.89	0.63	0.97	0.24

The % Recovery of the lipids in the assay control must be within 85% - 115% (% Deviation within $\pm 15\%$) **Pass / Fail**

Peak Results Percent_LipidRecovery Summarized by Name					
	Result Id	ALC-0159	cholesterol	ALC-0315	DSPC
1	8256	101.129	99.415	98.697	101.203
2	8254	100.676	98.749	99.220	100.775
Mean		100.902	99.082	98.959	100.989

Project Name: Chemistry\System20_2021_09 Lipids

Sample Set Name: 20211116 Pfizer vaccin testing

Sample Set Acquired By [REDACTED]

Sample LIMS No. 2111004115

Sample Set Id: 8135

Sample Set Start Date: 16/11/2021 11:31:09 AM AEI

Print Date: 17/11/2021

Vaccine System Suitability Report

The % RT difference between sample preparations and SST must be within 95% - 105% (% Deviation within $\pm 5\%$)

Pass / Fail

Peak Results
RT_Dev Summarized by Name

	SampleName	Result Id	ALC-0159	cholesterol	ALC-0315	DSPC
1	2111004115 Prep 1	8258	99.203	99.985	102.373	99.980
2	2111004115 Prep 1	8260	99.203	99.985	102.373	99.980
3	2111004115 Prep 2	8262	99.203	99.985	102.373	99.980
4	2111004115 Prep 2	8264	99.203	99.985	102.373	99.980
5	2111004115 Prep 3	8266	99.203	99.985	102.373	99.980
6	2111004115 Prep 3	8268	99.203	99.985	102.373	99.980
Mean			99.2	100.0	102.4	100.0

Vaccine System Suitability Report

The R2 values for the Cal Curves must be greater than 0.995

Pass / Fail

Peak ALC-0315

	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore	R^2
1	ALC-0315	Level 1	0.114810	1216443.042913	0.110860	-3.440	No	No	0.999911
2	ALC-0315	Level 1	0.114810	1211146.132282	0.110292	-3.935	No	No	0.999911
3	ALC-0315	Level 2	0.229630	2330636.731790	0.231465	0.799	No	No	0.999911
4	ALC-0315	Level 2	0.229630	2329892.511270	0.231384	0.764	No	No	0.999911
5	ALC-0315	Level 3	0.574070	5442465.896549	0.580949	1.198	No	No	0.999911
6	ALC-0315	Level 3	0.574070	5453893.487688	0.582269	1.428	No	No	0.999911
7	ALC-0315	Level 4	1.148130	10055141.189296	1.139489	-0.753	No	No	0.999911
8	ALC-0315	Level 4	1.148130	10065339.057993	1.140786	-0.640	No	No	0.999911
9	ALC-0315	Level 5	1.722200	14398669.174317	1.722782	0.034	No	No	0.999911
10	ALC-0315	Level 5	1.722200	14431551.964096	1.727460	0.305	No	No	0.999911
Mean									1.0

Peak DSPC

	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore	R^2
1	DSPC	Level 1	0.027590	308816.084082	0.026174	-5.132	No	No	0.999862
2	DSPC	Level 1	0.027590	307933.040238	0.026088	-5.445	No	No	0.999862
3	DSPC	Level 2	0.055190	612452.900347	0.056293	1.998	No	No	0.999862
4	DSPC	Level 2	0.055190	608744.379217	0.055920	1.323	No	No	0.999862
5	DSPC	Level 3	0.137970	1416551.035117	0.139955	1.439	No	No	0.999862
6	DSPC	Level 3	0.137970	1416767.311276	0.139978	1.456	No	No	0.999862
7	DSPC	Level 4	0.275930	2582547.836067	0.273783	-0.778	No	No	0.999862
8	DSPC	Level 4	0.275930	2579350.881134	0.273392	-0.920	No	No	0.999862
9	DSPC	Level 5	0.413900	3647461.647238	0.414290	0.094	No	No	0.999862
10	DSPC	Level 5	0.413900	3654674.798350	0.415321	0.343	No	No	0.999862
Mean									1.0

Peak ALC-0159

	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore	R^2
1	ALC-0159	Level 1	0.014920	204614.243683	0.014252	-4.477	No	No	0.999897
2	ALC-0159	Level 1	0.014920	201286.589479	0.013961	-6.426	No	No	0.999897
3	ALC-0159	Level 2	0.029830	394697.579531	0.030967	3.811	No	No	0.999897
4	ALC-0159	Level 2	0.029830	384618.323058	0.030075	0.822	No	No	0.999897
5	ALC-0159	Level 3	0.074580	886658.462372	0.075237	0.881	No	No	0.999897
6	ALC-0159	Level 3	0.074580	886690.200175	0.075240	0.885	No	No	0.999897
7	ALC-0159	Level 4	0.149150	1659620.924800	0.148062	-0.730	No	No	0.999897
8	ALC-0159	Level 4	0.149150	1664724.377538	0.148557	-0.397	No	No	0.999897
9	ALC-0159	Level 5	0.223730	2412212.080107	0.223449	-0.126	No	No	0.999897
10	ALC-0159	Level 5	0.223730	2423536.292359	0.224622	0.399	No	No	0.999897
Mean									1.0

Project Name: Chemistry\System20_2021_09 Lipids

Sample Set Name: 20211116 Pfizer vaccin testing

Sample Set Acquired By [REDACTED]

Sample LIMS No. 2111004115

Sample Set Id: 8135

Sample Set Start Date: 16/11/2021 11:31:09 AM AEI

Print Date: 17/11/2021

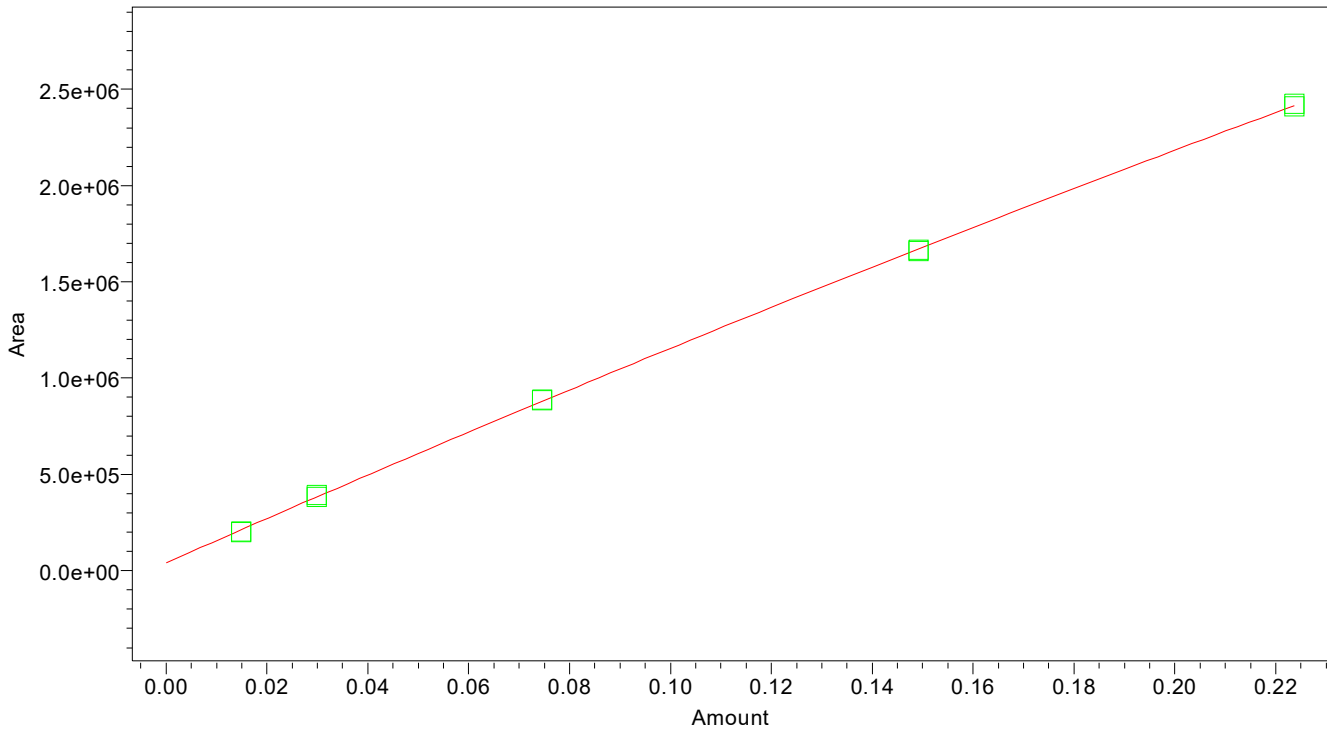
Vaccine System Suitability Report

Peak cholesterol

	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore	R^2
1	cholesterol	Level 1	0.050390	411180.353483	0.050288	-0.203	No	No	0.999984
2	cholesterol	Level 1	0.050390	409892.780385	0.050136	-0.505	No	No	0.999984
3	cholesterol	Level 2	0.100780	836971.031668	0.101053	0.270	No	No	0.999984
4	cholesterol	Level 2	0.100780	831641.695397	0.100411	-0.366	No	No	0.999984
5	cholesterol	Level 3	0.251940	2060078.200720	0.252321	0.151	No	No	0.999984
6	cholesterol	Level 3	0.251940	2063352.073298	0.252737	0.317	No	No	0.999984
7	cholesterol	Level 4	0.503880	3927745.740299	0.501778	-0.417	No	No	0.999984
8	cholesterol	Level 4	0.503880	3949632.823505	0.504857	0.194	No	No	0.999984
9	cholesterol	Level 5	0.755820	5628601.191503	0.754245	-0.208	No	No	0.999984
10	cholesterol	Level 5	0.755820	5651178.275866	0.757798	0.262	No	No	0.999984
Mean									1.0

Cal Curve Report

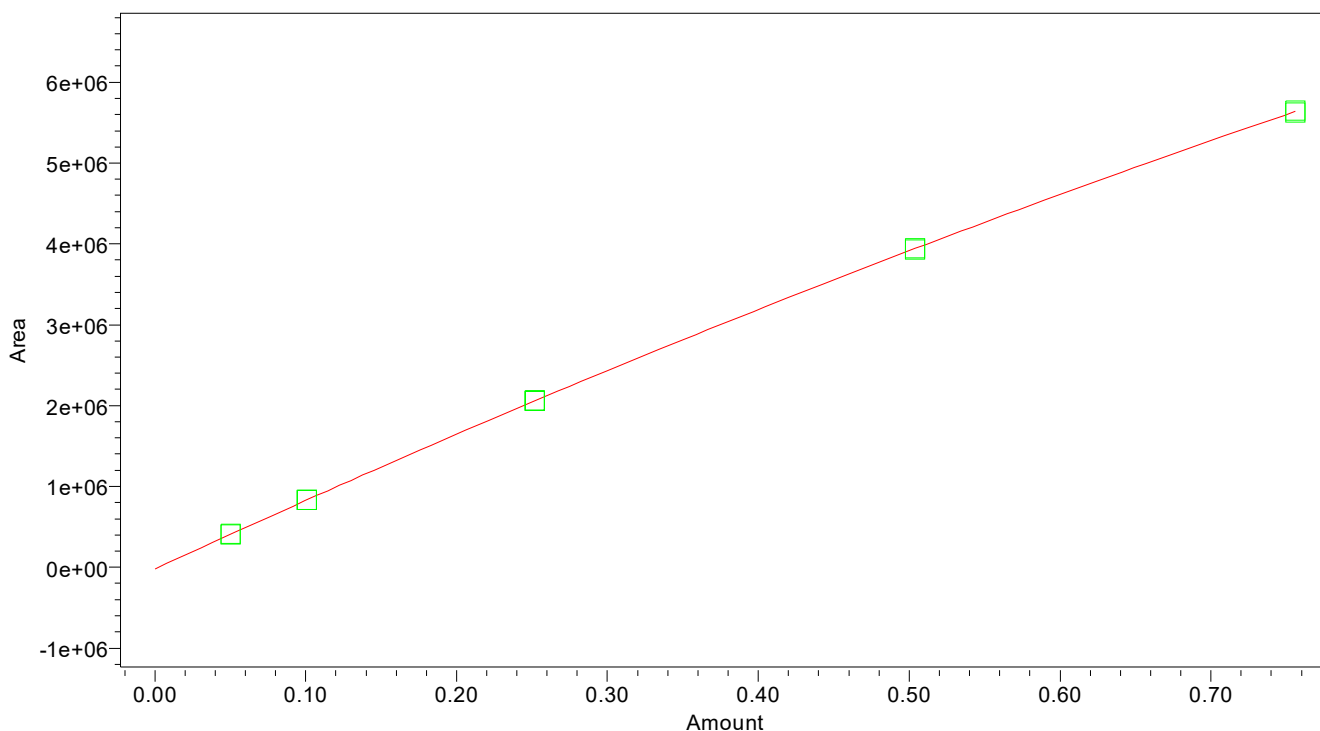
Calibration Plot



Name: ALC-0159; Processing Method: Lipid Linearity_Quadratic_3; Fit Type: Quadratic (2nd Order);
Cal Curve Id: 8219; A: 4.065720e+04; B: 1.156476e+07; C: -4.257643e+06; D: 0.000000e+00;
R^2: 0.999897

Cal Curve Report

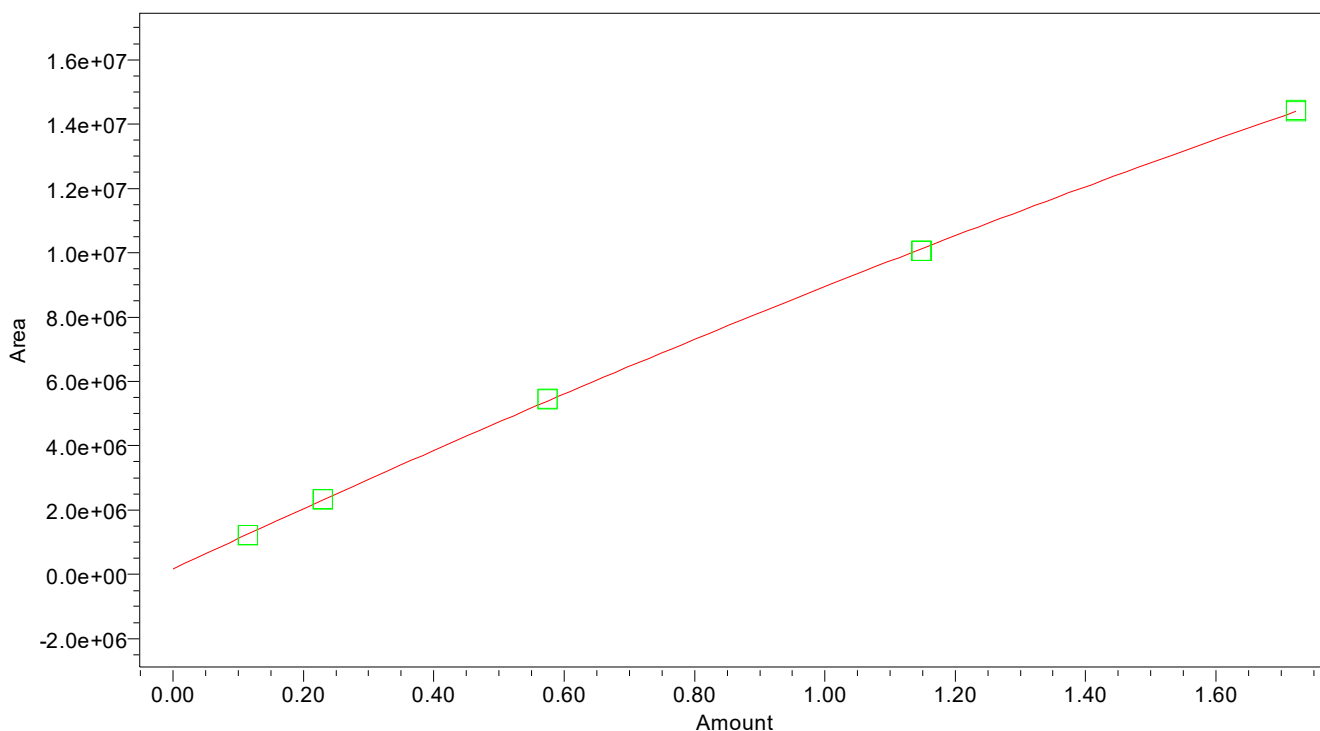
Calibration Plot



Name: cholesterol; Processing Method: Lipid Linearity_Quadratic_3; Fit Type: Quadratic (2nd Order);
Cal Curve Id: 8220; A: -1.820510e+04; B: 8.613683e+06; C: -1.494189e+06; D: 0.000000e+00;
R^2: 0.999984

Cal Curve Report

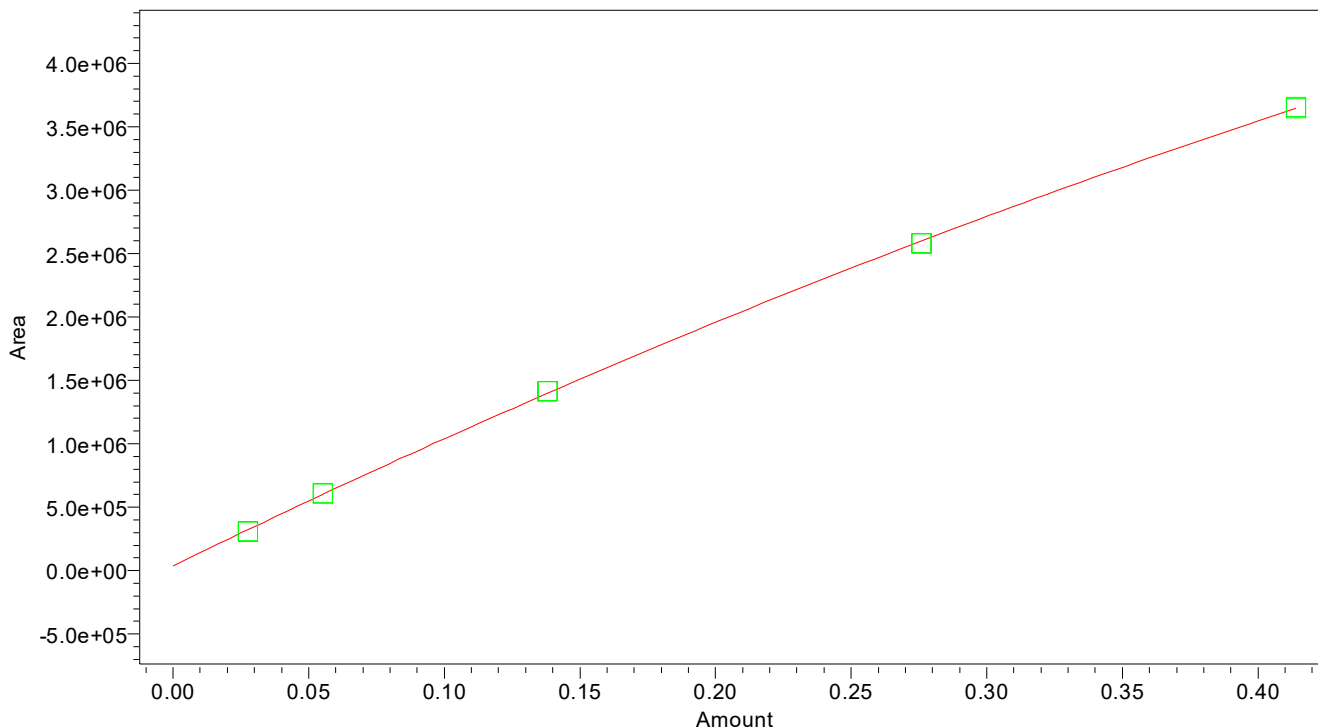
Calibration Plot



Name: ALC-0315; Processing Method: Lipid Linearity_Quadratic_3; Fit Type: Quadratic (2nd Order);
Cal Curve Id: 8221; A: 1.740356e+05; B: 9.481742e+06; C: -7.110358e+05; D: 0.000000e+00;
R²: 0.999911

Cal Curve Report

Calibration Plot



Name: DSPC; Processing Method: Lipid Linearity_Quadratic_3; Fit Type: Quadratic (2nd Order);
 Cal Curve Id: 8222; A: 3.885604e+04; B: 1.042213e+07; C: -4.131847e+06; D: 0.000000e+00;
 R²: 0.999862

Peak ALC-0315

	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore	R ²
1	ALC-0315	Level 1	0.114810	1216443.042913	0.110860	-3.440	No	No	0.999911
2	ALC-0315	Level 1	0.114810	1211146.132282	0.110292	-3.935	No	No	0.999911
3	ALC-0315	Level 2	0.229630	2330636.731790	0.231465	0.799	No	No	0.999911
4	ALC-0315	Level 2	0.229630	2329892.511270	0.231384	0.764	No	No	0.999911
5	ALC-0315	Level 3	0.574070	5442465.896549	0.580949	1.198	No	No	0.999911
6	ALC-0315	Level 3	0.574070	5453893.487688	0.582269	1.428	No	No	0.999911
7	ALC-0315	Level 4	1.148130	10055141.189296	1.139489	-0.753	No	No	0.999911
8	ALC-0315	Level 4	1.148130	10065339.057993	1.140786	-0.640	No	No	0.999911
9	ALC-0315	Level 5	1.722200	14398669.174317	1.722782	0.034	No	No	0.999911
10	ALC-0315	Level 5	1.722200	14431551.964096	1.727460	0.305	No	No	0.999911

Project Name: Chemistry\System20_2021_09 Lipids

Sample LIMS No. 2111004115

Sample Set Name: 20211116 Pfizer vaccin testing

Sample Set Id: 8135

Sample Set Acquired By [REDACTED]

Sample Set Start Date: 16/11/2021 11:31:09 AM AED

Print Date: 17/11/2021

Cal Curve Report

Peak DSPC

	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore	R^2
1	DSPC	Level 1	0.027590	308816.084082	0.026174	-5.132	No	No	0.999862
2	DSPC	Level 1	0.027590	307933.040238	0.026088	-5.445	No	No	0.999862
3	DSPC	Level 2	0.055190	612452.900347	0.056293	1.998	No	No	0.999862
4	DSPC	Level 2	0.055190	608744.379217	0.055920	1.323	No	No	0.999862
5	DSPC	Level 3	0.137970	1416551.035117	0.139955	1.439	No	No	0.999862
6	DSPC	Level 3	0.137970	1416767.311276	0.139978	1.456	No	No	0.999862
7	DSPC	Level 4	0.275930	2582547.836067	0.273783	-0.778	No	No	0.999862
8	DSPC	Level 4	0.275930	2579350.881134	0.273392	-0.920	No	No	0.999862
9	DSPC	Level 5	0.413900	3647461.647238	0.414290	0.094	No	No	0.999862
10	DSPC	Level 5	0.413900	3654674.798350	0.415321	0.343	No	No	0.999862

Peak ALC-0159

	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore	R^2
1	ALC-0159	Level 1	0.014920	204614.243683	0.014252	-4.477	No	No	0.999897
2	ALC-0159	Level 1	0.014920	201286.589479	0.013961	-6.426	No	No	0.999897
3	ALC-0159	Level 2	0.029830	394697.579531	0.030967	3.811	No	No	0.999897
4	ALC-0159	Level 2	0.029830	384618.323058	0.030075	0.822	No	No	0.999897
5	ALC-0159	Level 3	0.074580	886658.462372	0.075237	0.881	No	No	0.999897
6	ALC-0159	Level 3	0.074580	886690.200175	0.075240	0.885	No	No	0.999897
7	ALC-0159	Level 4	0.149150	1659620.924800	0.148062	-0.730	No	No	0.999897
8	ALC-0159	Level 4	0.149150	1664724.377538	0.148557	-0.397	No	No	0.999897
9	ALC-0159	Level 5	0.223730	2412212.080107	0.223449	-0.126	No	No	0.999897
10	ALC-0159	Level 5	0.223730	2423536.292359	0.224622	0.399	No	No	0.999897

Peak cholesterol

	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore	R^2
1	cholesterol	Level 1	0.050390	411180.353483	0.050288	-0.203	No	No	0.999984
2	cholesterol	Level 1	0.050390	409892.780385	0.050136	-0.505	No	No	0.999984
3	cholesterol	Level 2	0.100780	836971.031668	0.101053	0.270	No	No	0.999984
4	cholesterol	Level 2	0.100780	831641.695397	0.100411	-0.366	No	No	0.999984
5	cholesterol	Level 3	0.251940	2060078.200720	0.252321	0.151	No	No	0.999984
6	cholesterol	Level 3	0.251940	2063352.073298	0.252737	0.317	No	No	0.999984
7	cholesterol	Level 4	0.503880	3927745.740299	0.501778	-0.417	No	No	0.999984
8	cholesterol	Level 4	0.503880	3949632.823505	0.504857	0.194	No	No	0.999984
9	cholesterol	Level 5	0.755820	5628601.191503	0.754245	-0.208	No	No	0.999984
10	cholesterol	Level 5	0.755820	5651178.275866	0.757798	0.262	No	No	0.999984

Project Name: Chemistry\System20_2021_09 Lipids

Sample LIMS No. 2111004115

Sample Set Name: 20211116 Pfizer vaccin testing

Sample Set Id: 8135

Sample Set Acquired By [REDACTED]

Sample Set Start Date: 16/11/2021 11:31:09 AM AEI

Print Date: 17/11/2021

Result Summary Report

Result Summary Table (peak area)
Ave_Conc Summarized by Name

	Inj Id	Result Id	Sample Name	ALC-0159	cholesterol	ALC-0315	DSPC
1	8073	8258	2111004115 Prep 1	0.792	2.776	6.161	1.395
2	8080	8262	2111004115 Prep 2	0.800	2.776	6.166	1.393
3	8087	8266	2111004115 Prep 3	0.804	2.804	6.213	1.405
Mean				0.80	2.79	6.18	1.40
Std. Dev.				0.01	0.02	0.03	0.01
% RSD				0.8	0.6	0.5	0.5

Result Summary Table (peak area)
Amount Summarized by Name

	Inj Id	Result Id	Sample Name	ALC-0159	cholesterol	ALC-0315	DSPC
1	8073	8258	2111004115 Prep 1	0.807	2.773	6.158	1.399
2	8076	8260	2111004115 Prep 1	0.777	2.779	6.165	1.392
3	8080	8262	2111004115 Prep 2	0.808	2.782	6.163	1.394
4	8083	8264	2111004115 Prep 2	0.793	2.769	6.169	1.391
5	8087	8266	2111004115 Prep 3	0.812	2.796	6.186	1.406
6	8090	8268	2111004115 Prep 3	0.797	2.813	6.241	1.405
Mean				0.80	2.79	6.18	1.40

Result Summary Table (peak area)
Amount Summarized by Name

	Inj Id	Result Id	Sample Name	ALC-0159	cholesterol	ALC-0315	DSPC
1	8055	8270	2103001141 Ref Material	0.828	2.872	6.549	1.390
2	8058	8272	2103001141 Ref Material	0.811	2.892	6.505	1.405
Mean				0.819	2.882	6.527	1.398

Result Summary Table (peak area)
Amount Summarized by Name

	Inj Id	Result Id	Sample Name	ALC-0159	cholesterol	ALC-0315	DSPC
1	8062	8254	Assay control	0.075	0.244	0.623	0.140
2	8065	8256	Assay control	0.076	0.246	0.619	0.141
Mean				0.076	0.245	0.621	0.140

Results Summary Report

Calibration Data Table
Peak ALC-0315

	Inj Id	Result Id	Name	Concentration	Response	Cal Curve Id
1	7713	8234	ALC-0315	0.114810	1216443	8221
2	7716	8236	ALC-0315	0.114810	1211146	8221
3	7720	8238	ALC-0315	0.229630	2330637	8221
4	7724	8240	ALC-0315	0.229630	2329893	8221
5	7765	8242	ALC-0315	0.574070	5442466	8221
6	7903	8244	ALC-0315	0.574070	5453893	8221
7	8041	8246	ALC-0315	1.148130	10055141	8221
8	8044	8248	ALC-0315	1.148130	10065339	8221
9	8048	8250	ALC-0315	1.722200	14398669	8221
10	8051	8252	ALC-0315	1.722200	14431552	8221

Calibration Data Table
Peak DSPC

	Inj Id	Result Id	Name	Concentration	Response	Cal Curve Id
1	7713	8234	DSPC	0.027590	308816	8222
2	7716	8236	DSPC	0.027590	307933	8222
3	7720	8238	DSPC	0.055190	612453	8222
4	7724	8240	DSPC	0.055190	608744	8222
5	7765	8242	DSPC	0.137970	1416551	8222
6	7903	8244	DSPC	0.137970	1416767	8222
7	8041	8246	DSPC	0.275930	2582548	8222
8	8044	8248	DSPC	0.275930	2579351	8222
9	8048	8250	DSPC	0.413900	3647462	8222
10	8051	8252	DSPC	0.413900	3654675	8222

Calibration Data Table
Peak ALC-0159

	Inj Id	Result Id	Name	Concentration	Response	Cal Curve Id
1	7713	8234	ALC-0159	0.014920	204614	8219
2	7716	8236	ALC-0159	0.014920	201287	8219
3	7720	8238	ALC-0159	0.029830	394698	8219
4	7724	8240	ALC-0159	0.029830	384618	8219
5	7765	8242	ALC-0159	0.074580	886658	8219
6	7903	8244	ALC-0159	0.074580	886690	8219
7	8041	8246	ALC-0159	0.149150	1659621	8219
8	8044	8248	ALC-0159	0.149150	1664724	8219
9	8048	8250	ALC-0159	0.223730	2412212	8219
10	8051	8252	ALC-0159	0.223730	2423536	8219

Project Name: Chemistry\System20_2021_09 Lipids

Sample Set Name: 20211116 Pfizer vaccin testing

Sample Set Acquired By [REDACTED]

Sample LIMS No. 2111004115

Sample Set Id: 8135

Sample Set Start Date: 16/11/2021 11:31:09 AM AEDT

Print Date: 17/11/2021

Results Summary Report

Calibration Data Table
Peak: cholesterol

	Inj Id	Result Id	Name	Concentration	Response	Cal Curve Id
1	7713	8234	cholesterol	0.050390	411180	8220
2	7716	8236	cholesterol	0.050390	409893	8220
3	7720	8238	cholesterol	0.100780	836971	8220
4	7724	8240	cholesterol	0.100780	831642	8220
5	7765	8242	cholesterol	0.251940	2060078	8220
6	7903	8244	cholesterol	0.251940	2063352	8220
7	8041	8246	cholesterol	0.503880	3927746	8220
8	8044	8248	cholesterol	0.503880	3949633	8220
9	8048	8250	cholesterol	0.755820	5628601	8220
10	8051	8252	cholesterol	0.755820	5651178	8220

Analyst [REDACTED]

Results Summary Report

Result Summary Table (peak area)
Peak Name: ALC-0159

	Inj Id	Result Id	Sample Name	RT	Area ($\mu\text{V}\cdot\text{sec}$)	Height (μV)	Lipid Content
1	7701	8284	SST	6.168	893167	17514	0.076
2	7706	8286	SST	6.193	877754	17192	0.074
3	7709	8288	SST	6.186	886349	17162	0.075
4	7713	8234	Level 1	6.216	204614	4039	0.015
5	7716	8236	Level 1	6.177	201287	4059	0.015
6	7720	8238	Level 2	6.150	394698	7567	0.030
7	7724	8240	Level 2	6.198	384618	7526	0.030
8	7765	8242	Level 3	6.193	886658	17386	0.075
9	7903	8244	Level 3	6.173	886690	17414	0.075
10	8041	8246	Level 4	6.180	1659621	32701	0.149
11	8044	8248	Level 4	6.217	1664724	32489	0.149
12	8048	8250	Level 5	6.204	2412212	47056	0.224
13	8051	8252	Level 5	6.176	2423536	47309	0.224
14	8055	8270	2103001141 Ref Material	6.260	512024	9386	0.828
15	8058	8272	2103001141 Ref Material	6.254	502495	9349	0.811
16	8062	8254	Assay control	6.203	888831	17293	0.075
17	8065	8256	Assay control	6.175	892543	17369	0.076
18	8073	8258	2111004115 Prep 1	6.120	500144	9417	0.807
19	8076	8260	2111004115 Prep 1	6.143	483757	9303	0.777
20	8080	8262	2111004115 Prep 2	6.160	500857	9525	0.808
21	8083	8264	2111004115 Prep 2	6.154	492368	9543	0.793
22	8087	8266	2111004115 Prep 3	6.146	502944	9379	0.812
23	8090	8268	2111004115 Prep 3	6.119	494813	9394	0.797
24	8098	8290	SST	6.194	897276	17406	0.076
25	8101	8292	SST	6.208	894694	17481	0.076

Result Summary Table (peak area)
Peak Name: ALC-0315

	Inj Id	Result Id	Sample Name	RT	Area ($\mu\text{V}\cdot\text{sec}$)	Height (μV)	Lipid Content
1	7701	8284	SST	14.225	5420217	153718	0.578
2	7706	8286	SST	14.262	5393244	151056	0.575
3	7709	8288	SST	14.299	5388664	153047	0.575
4	7713	8234	Level 1	14.754	1216443	56980	0.115
5	7716	8236	Level 1	14.778	1211146	56756	0.115
6	7720	8238	Level 2	14.614	2330637	89597	0.230
7	7724	8240	Level 2	14.641	2329893	89659	0.230
8	7765	8242	Level 3	14.354	5442466	151088	0.574
9	7903	8244	Level 3	14.392	5453893	151474	0.574
10	8041	8246	Level 4	14.060	10055141	214964	1.148
11	8044	8248	Level 4	14.077	10065339	214676	1.148

Results Summary Report

Result Summary Table (peak area)

Peak Name: ALC-0315

	Inj Id	Result Id	Sample Name	RT	Area ($\mu\text{V}\cdot\text{sec}$)	Height (μV)	Lipid Content
12	8048	8250	Level 5	13.836	14398669	259881	1.722
13	8051	8252	Level 5	13.851	14431552	257350	1.722
14	8055	8270	2103001141 Ref Material	14.656	3202551	109451	6.549
15	8058	8272	2103001141 Ref Material	14.640	3182774	109162	6.505
16	8062	8254	Assay control	14.423	5801564	156266	0.623
17	8065	8256	Assay control	14.417	5773300	154811	0.619
18	8073	8258	2111004115 Prep 1	14.669	3025956	106272	6.158
19	8076	8260	2111004115 Prep 1	14.692	3029088	105667	6.165
20	8080	8262	2111004115 Prep 2	14.687	3028487	105014	6.163
21	8083	8264	2111004115 Prep 2	14.698	3030934	106597	6.169
22	8087	8266	2111004115 Prep 3	14.706	3038809	105958	6.186
23	8090	8268	2111004115 Prep 3	14.692	3063385	107210	6.241
24	8098	8290	SST	14.475	5491034	149429	0.587
25	8101	8292	SST	14.490	5496854	150679	0.587

Result Summary Table (peak area)

Peak Name: DSPC

	Inj Id	Result Id	Sample Name	RT	Area ($\mu\text{V}\cdot\text{sec}$)	Height (μV)	Lipid Content
1	7701	8284	SST	18.824	1415212	111018	0.140
2	7706	8286	SST	18.840	1409869	112073	0.139
3	7709	8288	SST	18.840	1408846	110782	0.139
4	7713	8234	Level 1	18.835	308816	24835	0.028
5	7716	8236	Level 1	18.841	307933	24720	0.028
6	7720	8238	Level 2	18.820	612453	48133	0.055
7	7724	8240	Level 2	18.823	608744	48082	0.055
8	7765	8242	Level 3	18.834	1416551	111097	0.138
9	7903	8244	Level 3	18.831	1416767	111052	0.138
10	8041	8246	Level 4	18.842	2582548	198253	0.276
11	8044	8248	Level 4	18.851	2579351	199247	0.276
12	8048	8250	Level 5	18.853	3647462	278656	0.414
13	8051	8252	Level 5	18.853	3654675	283099	0.414
14	8055	8270	2103001141 Ref Material	18.842	743262	58533	1.390
15	8058	8272	2103001141 Ref Material	18.830	750738	58587	1.405
16	8062	8254	Assay control	18.830	1416380	112346	0.140
17	8065	8256	Assay control	18.825	1421887	111472	0.141
18	8073	8258	2111004115 Prep 1	18.819	747670	58541	1.399
19	8076	8260	2111004115 Prep 1	18.825	744108	58781	1.392
20	8080	8262	2111004115 Prep 2	18.816	745185	57632	1.394
21	8083	8264	2111004115 Prep 2	18.817	743949	58101	1.391
22	8087	8266	2111004115 Prep 3	18.805	750916	58429	1.406
23	8090	8268	2111004115 Prep 3	18.801	750791	57717	1.405

Results Summary Report

Result Summary Table (peak area)

Peak Name: DSPC

	Inj Id	Result Id	Sample Name	RT	Area ($\mu\text{V}\cdot\text{sec}$)	Height (μV)	Lipid Content
24	8098	8290	SST	18.798	1416940	111509	0.140
25	8101	8292	SST	18.786	1413396	110442	0.140

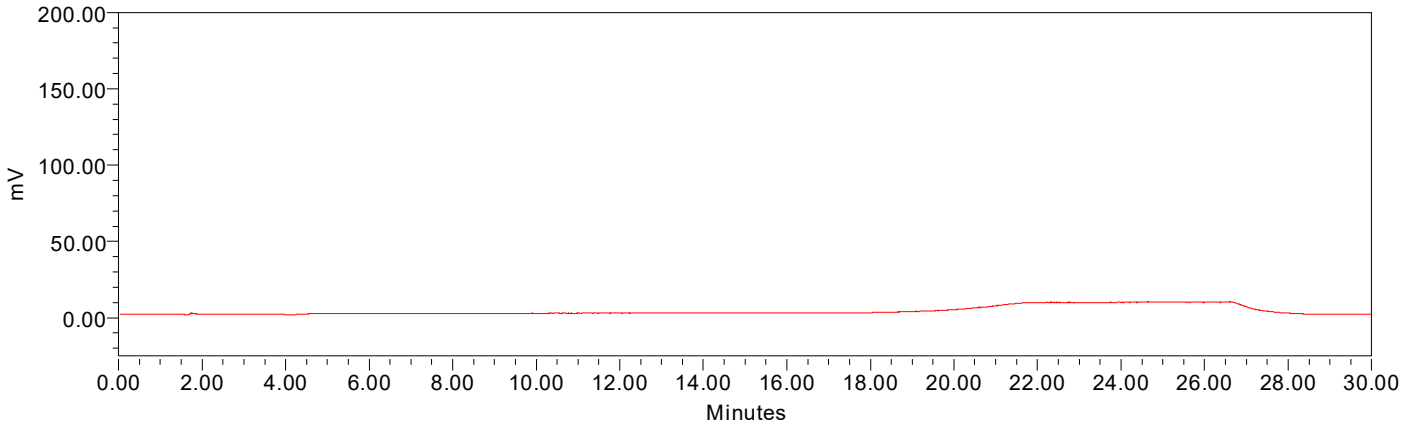
Result Summary Table (peak area)

Peak Name: cholesterol

	Inj Id	Result Id	Sample Name	RT	Area ($\mu\text{V}\cdot\text{sec}$)	Height (μV)	Lipid Content
1	7701	8284	SST	10.526	2056832	188570	0.252
2	7706	8286	SST	10.531	2052182	187239	0.251
3	7709	8288	SST	10.533	2046169	188262	0.251
4	7713	8234	Level 1	10.529	411180	38135	0.050
5	7716	8236	Level 1	10.529	409893	37806	0.050
6	7720	8238	Level 2	10.516	836971	77712	0.101
7	7724	8240	Level 2	10.513	831642	77709	0.101
8	7765	8242	Level 3	10.530	2060078	189223	0.252
9	7903	8244	Level 3	10.525	2063352	188425	0.252
10	8041	8246	Level 4	10.533	3927746	350871	0.504
11	8044	8248	Level 4	10.538	3949633	351725	0.504
12	8048	8250	Level 5	10.538	5628601	493028	0.756
13	8051	8252	Level 5	10.539	5651178	499690	0.756
14	8055	8270	2103001141 Ref Material	10.533	1187718	110866	2.872
15	8058	8272	2103001141 Ref Material	10.524	1196268	110849	2.892
16	8062	8254	Assay control	10.525	1994409	180410	0.244
17	8065	8256	Assay control	10.519	2007374	181114	0.246
18	8073	8258	2111004115 Prep 1	10.519	1147533	106176	2.773
19	8076	8260	2111004115 Prep 1	10.521	1149851	106634	2.779
20	8080	8262	2111004115 Prep 2	10.514	1151000	107208	2.782
21	8083	8264	2111004115 Prep 2	10.517	1145843	106403	2.769
22	8087	8266	2111004115 Prep 3	10.516	1156714	108136	2.796
23	8090	8268	2111004115 Prep 3	10.514	1163625	108328	2.813
24	8098	8290	SST	10.502	2072185	189818	0.254
25	8101	8292	SST	10.498	2076537	189617	0.254

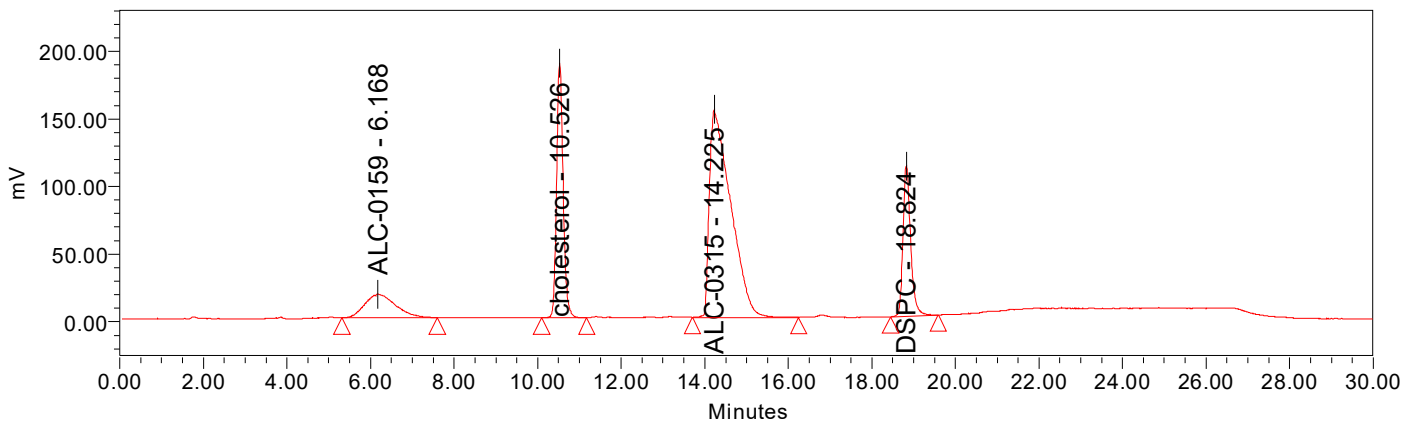
Example Chromatograms

Auto-Scaled Chromatogram



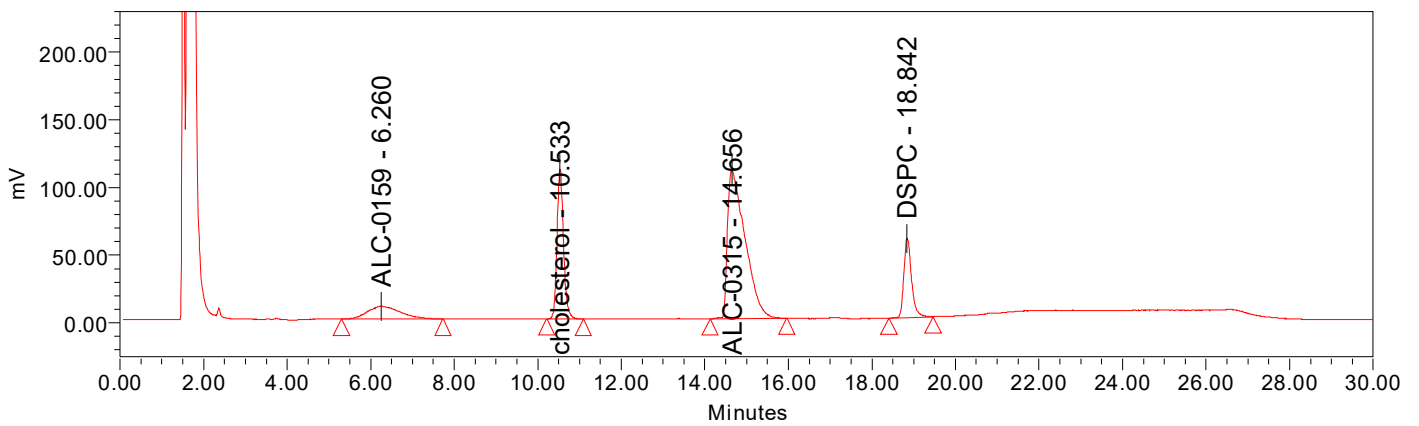
Sample Name MeOH as Blank; Vial 1:A,1; Injection 2; Injection Id 7697; Channel eSATIN-Ch1; Date Acquired 16/11/2021 12:02:49 PM AEDT

Auto-Scaled Chromatogram



Sample Name SST; Vial 1:A,4; Injection 1; Injection Id 7701; Channel eSATIN-Ch1; Date Acquired 16/11/2021 12:33:46 PM AEDT

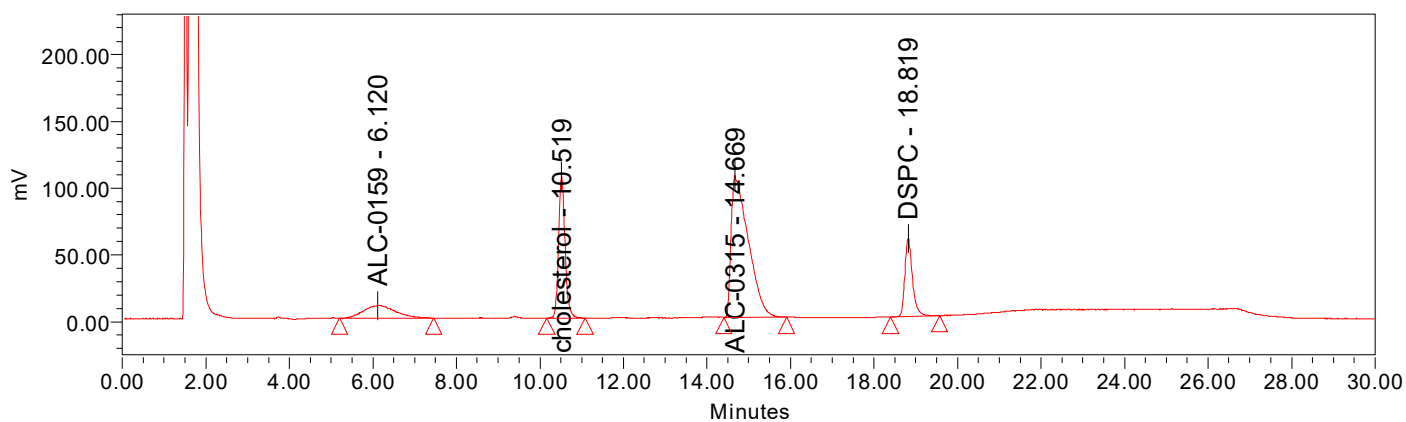
Auto-Scaled Chromatogram



Sample Name 2103001141 Ref Material ; Vial 1:B,1; Injection 1; Injection Id 8055; Channel eSATIN-Ch1; Date Acquired 16/11/2021 7:15:21 PM AEDT

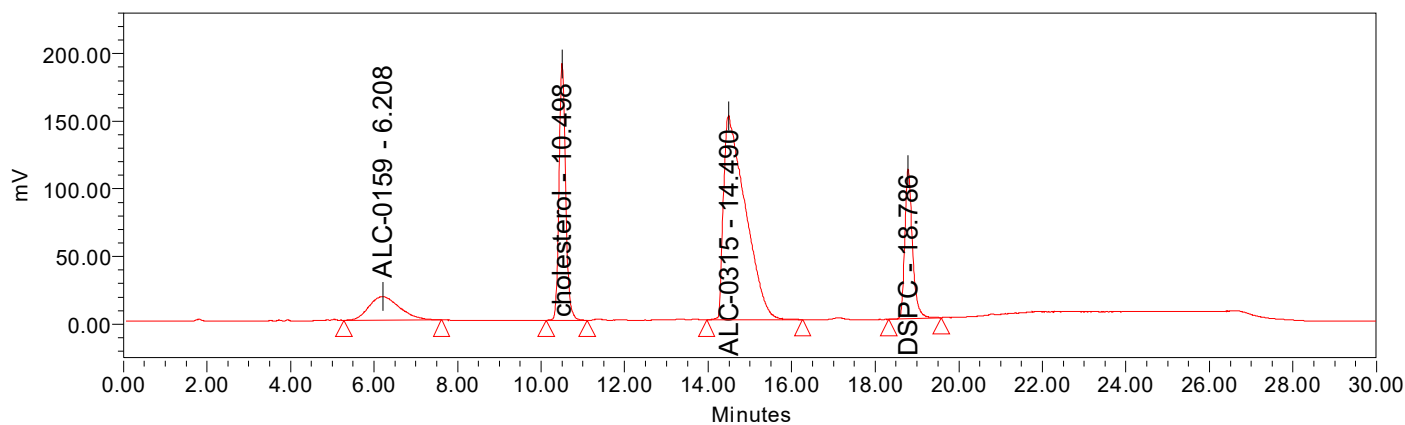
Example Chromatograms

Auto-Scaled Chromatogram



Sample Name 2111004115 Prep 1; Vial 1:B,2; Injection 1; Injection Id 8073; Channel eSATIN-Ch1; Date Acquired 16/11/2021 9:49:45 PM AEDT

Auto-Scaled Chromatogram



Sample Name SST; Vial 1:A,4; Injection 2; Injection Id 8101; Channel eSATIN-Ch1; Date Acquired 17/11/2021 1:56:57 AM AEDT

Run and Method Summary Report

	Sample Name	Sample Type	Label	Vial	Inj #	Injection Id	Inj. Vol. (ul)	Dilution	Run Time (Minutes)	Level	Acquisition Method Set
1	MeOH as Blank	Unknown	B101	1:A,1	1	7694	10	1	30		Pfizer Vaccine
2	MeOH as Blank	Unknown	B101	1:A,1	2	7697	10	1	30		Pfizer Vaccine
3	SST	Control	Y101	1:A,4	1	7701	10	1	30		Pfizer Vaccine
4	SST	Control	Y101	1:A,4	2	7706	10	1	30		Pfizer Vaccine
5	SST	Control	Y101	1:A,4	3	7709	10	1	30		Pfizer Vaccine
6	Level 1	Standard	S101	1:A,2	1	7713	10	1	30	Level 1	Pfizer Vaccine
7	Level 1	Standard	S101	1:A,2	2	7716	10	1	30	Level 1	Pfizer Vaccine
8	Level 2	Standard	S102	1:A,3	1	7720	10	1	30	Level 2	Pfizer Vaccine
9	Level 2	Standard	S102	1:A,3	2	7724	10	1	30	Level 2	Pfizer Vaccine
10	Level 3	Standard	S103	1:A,4	1	7765	10	1	30	Level 3	Pfizer Vaccine
11	Level 3	Standard	S103	1:A,4	2	7903	10	1	30	Level 3	Pfizer Vaccine
12	Level 4	Standard	S104	1:A,5	1	8041	10	1	30	Level 4	Pfizer Vaccine
13	Level 4	Standard	S104	1:A,5	2	8044	10	1	30	Level 4	Pfizer Vaccine
14	Level 5	Standard	S105	1:A,6	1	8048	10	1	30	Level 5	Pfizer Vaccine
15	Level 5	Standard	S105	1:A,6	2	8051	10	1	30	Level 5	Pfizer Vaccine
16	2103001141 Ref Material	Unknown	C101	1:B,1	1	8055	10	20	30		Pfizer Vaccine
17	2103001141 Ref Material	Unknown	C101	1:B,1	2	8058	10	20	30		Pfizer Vaccine
18	Assay control	Unknown	U001	1:A,7	1	8062	10	1	30		Pfizer Vaccine
19	Assay control	Unknown	U001	1:A,7	2	8065	10	1	30		Pfizer Vaccine
20	MeOH as Blank	Unknown	B102	1:A,1	1	8069	10	1	30		Pfizer Vaccine
21	2111004115 Prep 1	Unknown	U101	1:B,2	1	8073	10	20	30		Pfizer Vaccine
22	2111004115 Prep 1	Unknown	U101	1:B,2	2	8076	10	20	30		Pfizer Vaccine
23	2111004115 Prep 2	Unknown	U102	1:B,3	1	8080	10	20	30		Pfizer Vaccine
24	2111004115 Prep 2	Unknown	U102	1:B,3	2	8083	10	20	30		Pfizer Vaccine
25	2111004115 Prep 3	Unknown	U103	1:B,4	1	8087	10	20	30		Pfizer Vaccine
26	2111004115 Prep 3	Unknown	U103	1:B,4	2	8090	10	20	30		Pfizer Vaccine
27	MeOH as Blank	Unknown	B103	1:A,1	1	8094	10	1	30		Pfizer Vaccine
28	SST	Control	Y102	1:A,4	1	8098	10	1	30		Pfizer Vaccine
29	SST	Control	Y102	1:A,4	2	8101	10	1	30		Pfizer Vaccine
30	MeOH as Blank	Unknown	B104	1:A,1	1	8105	10	1	30		Pfizer Vaccine

Column used for analysis: XSelect CSH C18, 3.5µm, 4.6 ×150 mm, S/N: 01533030924070.

Instrument Method: Pfizer Vaccine

Stored: 24/09/2021 5:25:11 PM AEST

Method Information

Project Name: Chemistry\System20_2021_09 Lipids

Sample Set Name: 20211116 Pfizer vaccin testing

Sample Set Acquired By [REDACTED]

Sample LIMS No. 2111004115

Sample Set Id: 8135

Sample Set Start Date: 16/11/2021 11:31:09 AM AED

Print Date: 17/11/2021

Run and Method Summary Report

Method Comments Sampling rate 2, Range 500, Scaling factor 1000, Evop temp 50C
Method Modified User chemist
Method Locked No
Method Id 1137
Old Id
Method Version 1
Method Edit User
Source S/W Info Empower 3 Software Build 3471 SPs Installed: Service Release 5 DB
ID: 3107713112

eSATIN Instrument Setup

eSATIN General Information

Environment: 50(Hz)
Enable BCD: Off
BCD Polarity: Positive(+)

Channel 1 Information

Rate: 2.0(Pts/Sec.)
Description: Channel 1
Scale Factor: 1000.0
Units: mV

Channel 2 Information

eSATIN Events Information

Relay Initial State: Off
TTL1 Initial State: Off
TTL2 Initial State: Off
Relay Mode: Standard

ACQ-FTN Instrument Setup

Comment	
Load Ahead	Disabled
Loop Offline	Disabled
Wash Solvent Name	50% MeOH
Pre-Inject Wash Time	0.0(sec)
Post-Inject Wash Time	6.0(sec)
Purge Solvent Name	Water
Dilution	Disabled
Dilution Volume	0(uL)
Delay Time	0(min)
Dilution Needle Placement	4(mm)
Target Column Temperature	40.0(°C)
Column Temperature Alarm Band	Disabled
Target Sample Temperature	12.0(°C)
Sample Temperature Alarm Band	Disabled
Syringe Draw Rate	Automatic
Needle Placement	Automatic
Pre-Aspirate Air Gap	Automatic
Post-Aspirate Air Gap	Automatic

Project Name: Chemistry\System20_2021_09 Lipids

Sample Set Name: 20211116 Pfizer vaccin testing

Sample Set Acquired By [REDACTED]

Sample LIMS No. 2111004115

Sample Set Id: 8135

Sample Set Start Date: 16/11/2021 11:31:09 AM AED

Print Date: 17/11/2021

Run and Method Summary Report

Column Temperature Data Channel No
Room Temperature Data Channel No
Sample Temperature Data Channel No
Sample Organizer Temperature Data Channel No
Sample Pressure Data Channel No
Preheater Temperature Data Channel No
Seal Force Data Channel No
No Injection Mode Enabled No
Autoaddition Mix Stroke Cycles Automatic
Autoaddition Mix Stroke Volume Automatic(uL)
Active Preheater Disabled
Run Events No

ACQ-QSM Instrument Setup

Solvent A Name 5 mM AA pH 4.2
Solvent B Name 5mM AA:IPA:Acetonitrile 5:62:33
Solvent C Name
Solvent D Name
Low Pressure Limit 0(psi)
High Pressure Limit 15000(psi)
Seal Wash Period 5.00(min)

Gradient Table

	Time (min)	Flow Rate (mL/min)	%A	%B	%C	%D	Curve
1	Initial	0.900	15.0	85.0	0.0	0.0	Initial
2	2.00	0.900	15.0	85.0	0.0	0.0	6
3	2.10	0.900	11.0	89.0	0.0	0.0	6
4	15.00	0.900	8.0	92.0	0.0	0.0	6
5	19.00	0.900	0.0	100.0	0.0	0.0	6
6	24.00	0.900	0.0	100.0	0.0	0.0	6
7	26.00	0.900	15.0	85.0	0.0	0.0	6
8	30.00	0.900	15.0	85.0	0.0	0.0	6

Comment

Flow Ramp Rate 0.45(min)
D Solvent Selection (if supported) No Change
System Pressure Data Channel No
Flow Rate Data Channel No
%A Data Channel No
%B Data Channel No
%C Data Channel No
%D Data Channel No
Primary Data Channel No
Accumulator Data Channel No
Degasser Data Channel No
Gradient Start At Injection
Gradient Start Volume 0(uL)

Project Name: Chemistry\System20_2021_09 Lipids

Sample LIMS No. 2111004115

Sample Set Name: 20211116 Pfizer vaccin testing

Sample Set Id: 8135

Sample Set Acquired By [REDACTED]

Sample Set Start Date: 16/11/2021 11:31:09 AM AED

Print Date: 17/11/2021

Run and Method Summary Report

Gradient Start Time 0.00(min)
Participate in pre-analysis No

ACQ-TUV Instrument Setup

Wavelength Mode Single Wavelength
Lamp On On

Channel A

Comment
Wavelength 210(nm)
Sampling Rate 20(points/sec)
Data Mode Absorbance
Time Constant 0.1(sec)
Autozero On Wavelength Change Maintain Baseline
Autozero On Inject Start Yes

Analog 1

Sensitivity 2.0000(AUFS)
Chart Polarity Positive (+)
Voltage Offset 0(mV)
Enable Chart Mark Yes

Run Events Yes

Pulse Width 1.0(sec)
Rect Wave Period 0.2(sec)

Revision History

Version 1 24/09/2021 5:25:11 PM AEST User [REDACTED] Method
(\Empower3_FR5.health.gov.au\Chemistry\System20_2021_05_Lipids : 1138) copied into project. (from Full Audit Trail project)
Version 1 11/05/2021 11:51:04 AM AEST User System Method
(\Empower3_FR5.health.gov.au\Chemistry\System20_2021_01 Lipids : 2501) copied into project. (from Full Audit Trail project)
Version 1 16/02/2021 11:12:05 AM AEDT User chemist Created method 'Pfizer Vaccine'.

Method Version Summaries

	Method Name	Method Type	Method Comments
1	Pfizer Vaccine	Instrument	Sampling rate 2, Range 500, Scaling factor 1000, Evop temp 50C

Method Version Summaries

	Method Date	Method Modified User	Method Locked	Method Id	Old Id	Method Version
1	24/09/2021 5:25:11 PM AEST	chemist	No	1137		1

Method Version Summaries

	Source S/W Info
1	Empower 3 Software Build 3471 SPs Installed: Service Release 5 DB ID: 3107713112