



# CDC Lipid Standardization Program (CDC LSP) Enrollment Form

Thank you for your interest in the Lipid Standardization Program. Please fill out the applicable fields in this form.

## CONTACT INFORMATION

<b>Laboratory ID (Assigned by CDC):</b>			
<b>Laboratory and Director</b>			
<b>Lab Name:</b>			
<b>Director's Title:</b>		<b>Department:</b>	
<b>First Name:</b>		<b>Address 1:</b>	
<b>Last Name:</b>		<b>Address 2:</b>	
<b>E-mail:</b>		<b>City:</b>	
<b>Phone:</b>		<b>State:</b>	
<b>Zip Code:</b>		<b>Country:</b>	
<b>Primary Laboratory Contact (send correspondence to)</b>			
<b>Title:</b>		<b>Department:</b>	
<b>First Name:</b>		<b>Address 1:</b>	
<b>Last Name:</b>		<b>Address 2:</b>	
<b>E-mail:</b>		<b>City:</b>	
<b>Phone:</b>		<b>State:</b>	
<b>Zip Code:</b>		<b>Country:</b>	
<b>Ship Samples to (if different from primary laboratory contact)</b>			
<b>Title:</b>		<b>Department:</b>	
<b>First Name:</b>		<b>Address 1:</b>	
<b>Last Name:</b>		<b>Address 2:</b>	
<b>E-mail:</b>		<b>City:</b>	
<b>Phone:</b>		<b>State:</b>	
<b>Zip Code:</b>		<b>Country:</b>	
<b>Billing Information (if different from primary laboratory contact)</b>			
<b>Title:</b>		<b>Address 1:</b>	
<b>First Name:</b>		<b>Address 2:</b>	
<b>Last Name:</b>		<b>City:</b>	
<b>Phone:</b>		<b>State:</b>	
<b>Zip Code:</b>		<b>Country:</b>	
<b>Signature</b>			
<b>Director's Signature:</b>		<b>Date:</b>	
<b>Return completed form to:</b>			
Centers for Disease Control and Prevention, Lipid Standardization Program (CDC LSP)			
Email: <a href="mailto:CDCLSP@cdc.gov">CDCLSP@cdc.gov</a>			

### Disclaimer

Information provided here will be shared with 3<sup>rd</sup> party shipping company.

If certified, laboratory and assay information will be listed on the CDC website ([https://www.cdc.gov/labstandards/lsp\\_participants.html](https://www.cdc.gov/labstandards/lsp_participants.html)). If a participant does not wish to be listed on the website, email [CDCLSP@cdc.gov](mailto:CDCLSP@cdc.gov).

CDC estimates the average public reporting burden for this collection of information as 70 minutes (25 minutes for enrollment and 45 minutes for data return) per response, including the time for reviewing instructions, searching existing data/information sources, gathering and maintaining the data/information needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB Control Number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Information Collection Review Office, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-xxxx).

Last Updated: 6/3/2020



### ANALYTES AND ASSAY INFORMATION

Select the analyte(s) you wish to enroll and provide assay information.

#### Analytes

- Total Cholesterol (TC)
  - Total Glycerides (TG)
  - High-density Lipoprotein Cholesterol (HDL-C)
  - Apolipoprotein A1 (Apo A1) \*
  - Apolipoprotein B (Apo B) \*
- (\*Evaluation only)

#### Assay Information

Total Cholesterol (TC)	
Method Principle	
<input type="checkbox"/> Chemical (600) <input type="checkbox"/> Enzymatic (601) <input type="checkbox"/> Other (specify): _____	
Instrument Manufacturer and Model (select the code from Appendix 2 – specify if not listed)	
Reagent Manufacturer (select the code from Appendix 3 – specify if not listed)	Reagent Name
Calibrator Manufacturer (select the code from Appendix 4 – specify if not listed)	Calibrator Name
Total Glycerides (TG)	
Method Principle	
<input type="checkbox"/> Enzymatic (non-blanked) (602) <input type="checkbox"/> Enzymatic (with internal glycerol blank) (603) <input type="checkbox"/> Enzymatic (with separate glycerol blank) (604) <input type="checkbox"/> Other (specify): _____	
Instrument Manufacturer and Model (select the code from Appendix 2 – specify if not listed)	
Reagent Manufacturer (select the code from Appendix 3 – specify if not listed)	Reagent Name
Calibrator Manufacturer (select the code from Appendix 4 – specify if not listed)	Calibrator Name



High-density Lipoprotein Cholesterol (HDL-C)	
Method Principle	
<input type="checkbox"/> Homogeneous Direct (611)	<input type="checkbox"/> Dextran Sulfate MW 50,000/Mg (605)
<input type="checkbox"/> "Combined" Mn + Heparin (608)	<input type="checkbox"/> Phosphotungstic acid/no ions (I:I) (612)
<input type="checkbox"/> Dextran Sulfate MW 500,000/Mg (606)	<input type="checkbox"/> 0.046 mol Mn + Heparin (609)
<input type="checkbox"/> Phosphotungstate/Mg (613)	<input type="checkbox"/> Dextran Sulfate Magnetic Separation (607)
<input type="checkbox"/> 0.092 mol Mn + Heparin (610)	<input type="checkbox"/> Polyethylene glycol (614)
<input type="checkbox"/> Other (specify): _____	
Instrument Manufacturer and Model (select the code from Appendix 2 – specify if not listed)	
Reagent Manufacturer (select the code from Appendix 3 – specify if not listed)	Reagent Name
Calibrator Manufacturer (select the code from Appendix 4 – specify if not listed)	Calibrator Name
Apolipoprotein A1 (Apo A1)	
Method Principle	
<input type="checkbox"/> Nephelometric (620)	
<input type="checkbox"/> Immunoturbidometric (621)	
<input type="checkbox"/> Other (specify): _____	
Instrument Manufacturer and Model (select the code from Appendix 2 – specify if not listed)	
Reagent Manufacturer (select the code from Appendix 3 – specify if not listed)	Reagent Name
Calibrator Manufacturer (select the code from Appendix 4 – specify if not listed)	Calibrator Name
Apolipoprotein B (Apo B)	
Method Principle	
<input type="checkbox"/> Nephelometric (620)	
<input type="checkbox"/> Immunoturbidometric (621)	
<input type="checkbox"/> Other (specify): _____	
Instrument Manufacturer and Model (select the code from Appendix 2 – specify if not listed)	
Reagent Manufacturer (select the code from Appendix 3 – specify if not listed)	Reagent Name
Calibrator Manufacturer (select the code from Appendix 4 – specify if not listed)	Calibrator Name



## QUESTIONS ABOUT THE LABORATORY

Is your laboratory engaged in government funded research, clinical trials or studies involving lipid metabolism or cardiovascular disease?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is your laboratory engaged in non-government funded research, clinical trials, or studies involving lipid metabolism or cardiovascular disease?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is your laboratory a reference laboratory providing service to manufacturers of diagnostic products or reference materials for measurement of lipids?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is your laboratory a reference laboratory providing service to proficiency testing and external quality control programs?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is your laboratory engaged in research and development of analytical methods or reference materials for the measurement of lipids?	<input type="checkbox"/> Yes <input type="checkbox"/> No



## APPENDIX: ASSAY INFORMATION CODES

### 1. Method Principle Code List

Code	Method	Analyte
600	Chemical (Abell Kendall, etc.)	TC
601	Enzymatic	TC
602	Enzymatic (Non-Blanked)	TG
603	Enzymatic (with internal Glycerol Blank)	TG
604	Enzymatic (with separate Glycerol Blank)	TG
605	Dextran Sulfate MW 50,000/Mg	HDLC
606	Dextran Sulfate MW 500,000/Mg	HDLC
607	Dextran Sulfate Magnetic Separation	HDLC
608	Combined Mn + Heparin	HDLC
609	0.046 mol Mn + Heparin	HDLC
610	0.092 mol Mn + Heparin	HDLC
611	Homogeneous Direct	HDLC
612	Phosphotungstic acid/no ions (1:1)	HDLC
613	Phosphotungstate/Mg	HDLC
614	Polyethylene glycol	HDLC
615	Dextran Sulfate MW 10,000/Mg	HDLC
616	NMR	TC
617	NMR	TG
618	NMR	HDLC
620	Nephelometric	Apo A-I
620	Nephelometric	Apo B
621	Immunoturbidometric	Apo A-I
621	Immunoturbidometric	Apo B
622	NMR	Apo B
624	NMR	Apo A-I



## 2. Instrument Manufacturer and Model Code List

Code	Manufacturer	Instrument Model
64	Other (Distributor Name)	Any Model
700	Abbott	Aeroset
701	Abbott	Axsym
702	Abbott	IMX
703	Abbott	Spectrum
704	Abbott	VP
705	Bayer ADVIA	1650
706	Bayer ADVIA	IMS
708	Bayer Technicon	Axon
714	Chiron	550 Express
715	CIBA Corning	550 Express
716	Dade Behring	Dimension
717	Dade Behring	Paramax
718	Dade Behring	Stratus II
719	Gilford Instruments	Any Model
720	IL Monarch	Any Model
721	Manual Spectrophotometric	Any Model
724	Olympus	AU 5000
725	Olympus	AU 5200
726	Olympus	Demand
727	Olympus	Reply
728	Ortho-Vitros Chemistry Systems	250
731	Ortho-Vitros Chemistry Systems	950
732	Roche Cobas	E 170
735	Roche / BM / Hitachi	704
736	Roche / BM / Hitachi	705
737	Roche / BM / Hitachi	717
738	Roche / BM / Hitachi	736
739	Roche / BM / Hitachi	747
740	Roche / BM / Hitachi	902
741	Roche / BM / Hitachi	911
742	Roche / BM / Hitachi	912
743	Roche / BM / Hitachi	914
744	Roche / BM / Hitachi	917
745	Roche Modular	D&P
746	Schapparelli	Ace
747	Vital Scientific	Any Model
748	Wako	Any Model
749	ATAC	8000
750	Roche / BM / Hitachi	7020
751	Bio Mek	2000
752	Bio Rad	Any Model
753	Molecular Devices	Thermo Max
754	Beckman	LX20
755	Optima	909
756	Alfa Wasserman	NExCT
757	Olympus	AU 5400
758	Polymedco	Poly-Chem System
759	Thermo Clinical Labsystem	Konelab 20
760	Molecular Devices	SpectroMax 250
761	Bayer	ADVIA 1650
762	Abbott	CI 8200
763	Beckman	DXC 600
764	Abbott	Architect C8000
765	Olympus	AU 2700
766	Alfa Wassermann	ACE
767	Ortho Clinical Diagnostics	Vitros 5,1 FS
768	Cholestech	LDX System
769	Molecular Devices	Versamax

Code	Manufacturer	Instrument Model
770	Bio-Tek Instruments	Elx808 IU
771	Dade Behring	BN II
772	Roche Cobas	6000
773	Beckman Coulter	DxC 800
774	Bio-Tek Instruments, Inc.	Ceres UV 900Hdi
775	Hitachi	7060
776	Siemens	ADVIA 1800
777	Ortho Clinical Diagnostics	Vitros 5600
778	Siemens	ADVIA 2400
779	AMS Diagnostics	Liasys 300
780	Siemens	Dimension Vista 1500
781	Roche	Cobas c311
782	Siemens (Dade)	BN Prospec
783	Beckman	AU480
784	Roche	Cobas 8000
785	Abbott	Architect ci16200
786	Beckman	AU 5800
787	Roche	Cobas c111
789	Mindray	BS-120
790	Ortho Clinical Diagnostics	Vitros 4600
791	Roche	Integra 400 Plus
792	Beckman Coulter	AU680
793	Hitachi	7600
794	Roche	Cobas c501
795	Hitachi	Labospect 008AS
796	LabCorp	Vantera
797	Bruker	NMR AVANCE IVDr
707A	Bayer Technicon	AAI
707B	Bayer Technicon	AAII
709A	Bayer Technicon	RA-500
709B	Bayer Technicon	1000
709C	Bayer Technicon	2000 Opera
709D	Bayer Technicon	XT
710A	Beckman	Astra 4
710B	Beckman	Astra 8
710C	Beckman	Ideal
711A	Beckman	CX4
711B	Beckman	CX5
712A	Beckman	4CE
712B	Beckman	5CE
712C	Beckman	CX7
713A	Beckman	DU-30
713B	Beckman	DU-6
713C	Beckman	UV-35
722A	Olympus	AU 400
722B	Olympus	AU 600
722C	Olympus	AU 640
723A	Olympus	AU 1000
723B	Olympus	AU 800
729A	Ortho-Vitros Chemistry Systems	700
729B	Ortho-Vitros Chemistry Systems	700
729C	Ortho-Vitros Chemistry Systems	750 XRC
730A	Ortho-Vitros Chemistry Systems	500
730B	Ortho-Vitros Chemistry Systems	550 XRC
733A	Roche Cobas	Integra 400
733B	Roche Cobas	Integra 700
734A	Roche Cobas	Fara
734B	Roche Cobas	Mira



### 3. Reagent Manufacturer Code List

Code	Reagent Manufacturer
800	Abbott
801	American Monitor Corporation
802	Bayer HealthCare
803	Beckman
804	CIBA Corning
805	Dade Behring
806	Daiichi
808	Diagnostic Chemical Limited
810	Equal Diagnostics
811	Fisher
812	Genzyme
813	In-House
814	International Reagents Corporation
815	Kokusai
816	Kyowa Medex Company, Ltd.
817	Olympus
818	Ortho Clinical Diagnostic
819	Pointe Scientific
820	Roche
821	Raichem
822	Schiapparelli
824	Sigma
825	Wako Pure Chemical Industries, Ltd.
826	Warnick & Company
827	Bioengineering Company
829	RANDOX
830	Vital Diagnostics
831	Thermo Clinical Lab Systems
832	Polymedco
833	Trace
835	Trinity Biotech
836	Denka Seiken Company, Ltd.
837	Nittobo Medical Company, Ltd.
838	Serotec Company
839	Alfa Wassermann
840	Cholestech
841	Instrumentation Laboratory (IL Test)
842	Kamiya
843	Bacton Assay
844	Orion Diagnostica
845	Siemens
846	AMS Diagnostics
847	CHEMELEX
848	Sun Diagnostics, LLC
849	DiaSys Diagnostic Systems
850	Bruker Plasma Buffer



#### 4. Calibrator Manufacturer Code List

Calibrator Manufacturer Code ListCode	Calibrator Manufacturer
100	Other (Add manufacturer to comments)
900	Abbott
901	American Monitor Corporation
902	Bayer HealthCare
903	Beckman
904	CIBA Corning
905	Dade Behring
906	Daiichi
907	Warnick & Company
908	Diagnostic Chemical Limited
910	Equal Diagnostics
911	Fisher
912	Genzyme
913	In-House
914	International Reagents Corporation
915	Kokusai
916	Kyowa Medex Company, Ltd.
917	Olympus
918	Ortho Clinical Diagnostic
919	Pointe Scientific
920	Roche
921	Raichem
922	Schiapparelli
924	Sigma
925	Wako Pure Chemical Industries, Ltd.
926	Instrumentation Laboratory (IL Test)
927	Bioengineering Company
929	RANDOX
930	Vital Diagnostics
931	Thermo Clinical Lab Systems
932	Polymedco
933	Trace
935	Trinity Biotech
936	Denka Seiken Company, Ltd.
937	Nittobo Medical Company, Ltd.
938	Serotec Company
939	Pacific Biometrics
940	Alfa Wasserman
941	Solomon Park Research Laboratory
942	Zhongshan Company
943	CEQAL
944	STANBIO
945	Bio-Rad
946	Streck
947	Thermo Electron Corporation
948	Kamiya
949	Bacton Assay
950	Orion Diagnostica
951	Siemens
952	AMS Diagnostics
953	Alere LDX Calibrator
954	CHEMELEX
955	Bruker NMR IVDr
956	Sekisui



# LSP PS 148 Interim Data Submission Form

Laboratory ID

Analyte

Method Principle Code

Reagent Manufacturer Code

Unit of Measure

Run	Sample ID	Result 1	Result 2	Run Date	Reagent Lot	Calibrator Lot	Calibrator Manufacturer
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Comments