



CHOLESTEROL REFERENCE METHOD LABORATORY NETWORK (CRMLN)

**LIST OF ANALYTICAL SYSTEMS & REAGENTS CERTIFIED
FOR TOTAL CHOLESTEROL BY ABELL-KENDALL (TC-AK))**

Date Updated: March 2024

The Cholesterol Reference Method Laboratory Network (CRMLN) has certified the following systems as having documented traceability to the CDC Lipids Reference Laboratory for total cholesterol. Detailed description about the analytical system evaluated, including instrument, calibrator, and reagent information, along with contact information for each laboratory is listed in the following section. Certificates expire **two years** after the certification date.

Beckman Coulter Inc.
Debra Fontaine
2470 Faraday Avenue
Carlsbad, CA, USA
Phone: (442)-325-8295

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Beckman Coulter® UniCel DxC 600	Beckman Coulter® Synchron CHOL Reagent	M111299	Beckman Coulter® Synchron® Multicalibrator	M011002	Venous Serum	3/17/2022	CEQAL, Inc.	No
Beckman Coulter® UniCel DxC 800	Beckman Coulter® Synchron CHOL Reagent	M111299	Beckman Coulter® Synchron® Multicalibrator	M011002	Venous Serum	3/17/2022	CEQAL, Inc.	No

Medica Corporation

Sheldon S. Cantor

5 Oak Park Drive

Bedford, MA, USA

Phone: 781-541-7408

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Medica Corporation EasyRA	Medica CHOL Reagent Wedge Total Cholesterol	22042	Medica Corporation EasyRA Chemistry CAL	20007	Serum	5/6/2022	Medpace Reference Laboratories	No

HORIBA Medical
Benoit Ferran
Parc euromedecine
Rue duCaducee, France
Phone: 33 (0) 4 99 65 30 05

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
HORIBA Medical ABX PENTRA 400	HORIBA Medical ABX Pentra Cholesterol CP	15908014	HORIBA Medical ABX Pentra MultiCal	2106701	-	6/9/2022	Erasmus MC	No
HORIBA Medical PENTRA C200	HORIBA Medical ABX Pentra Cholesterol CP	15908014	HORIBA Medical ABX Pentra MultiCal	2106701	-	6/9/2022	Erasmus MC	No
HORIBA Medical PENTRA C400	HORIBA Medical ABX Pentra Cholesterol CP	15908014	HORIBA Medical ABX Pentra MultiCal	2106701	-	6/9/2022	Erasmus MC	No

UMA Co.,Ltd.
Takeshi Yoshikai
2-19-6 Yokosuka Matsudo-city Chiba-Pref. Japan, 270-0031
Chiba-Pref., Japan
Phone: 047 (710) 4871

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Hitachi Automatic Analyzer 7180	UMA Co., Ltd. MEASURE TC	R1: 187ABD	UMA Co.,Ltd. Lipids Calibrator	117	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No

Tosoh Corporation

Yusei ONO, Koji MAKI

Customer Support Center 2743-1, Hayakawa, Ayase-shi, Kanagawa 252-1123, Japan

Kanagawa, Japan

Phone: 467-76-5384

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Tosoh Corporation Automatic Analyzer HLC®- 729 LPII	Tosoh Corporation [TOSOH] Lipopropak	R1: LT-R103G	Tosoh Corporation Lipopropak® Calibrator Set	LT-S03G	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No

FUJIFILM Corporation, Medical Systems Research & Development Center

Shinji Matsugi

6-1, Takata-cho, Amagasaki, Hyogo, Japan 661-0963

Hyogo, Japan

Phone: 06-6499-9133

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Hitachi Medical Corporation Automatic Analyzer 7180	FUJIFILM Wako Pure Chemical Corporation L-Type CHO M	R1: DJ103	FUJIFILM Wako Pure Chemical Corporation Multi Calibrator Lipids	DE244	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No
BECKMAN COULTER Automatic Analyzer DxC700AU	FUJIFILM Wako Pure Chemical Corporation L-Type CHO M	R1: DJ103	FUJIFILM Wako Pure Chemical Corporation Multi Calibrator Lipids	DE244	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No

SEKISUI MEDICAL Co., Ltd., Tsukuba Plant
Yoshinori Motoyama
3-1, Koyodai 3-chome, Ryugasaki, Ibaraki, Japan 301-0852
Ibaraki, Japan
Phone: 297-62-7551

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Hitachi Medical Corporation Automatic Analyzer 7170	SEKISUI MEDICAL Co., Ltd. Cholestest CHO	R1: 132RBT	SEKISUI MEDICAL Co., Ltd. Cholestest N Calibrator	128RBT	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No
Hitachi Medical Corporation Automatic Analyzer 7170	SEKISUI MEDICAL Co., Ltd. Pureauto S CHO-N	R1: 131RAT	SEKISUI MEDICAL Co., Ltd. Cholestest N Calibrator	128RBT	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No
Hitachi Medical Corporation Automatic Analyzer 7180	SEKISUI MEDICAL Co., Ltd. Cholestest CHO	R1: 132RBT	SEKISUI MEDICAL Co., Ltd. Cholestest N Calibrator	128RBT	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No
Hitachi Medical Corporation Automatic Analyzer 7180	SEKISUI MEDICAL Co., Ltd. Pureauto S CHO-N	R1: 131RAT	SEKISUI MEDICAL Co., Ltd. Cholestest N Calibrator	128RBT	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No

Minaris Medical Co., Ltd.Fuji Plant
Tomomi Murakami
600-1 Minami-ishiki Nagaizumi-cho, Sunto-gun, Shizuoka, Japan 411-0932
Shizuoka, Japan
Phone: 055-988-6014

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Hitachi High-Technologies Automatic Analyzer 7180	Minaris Medical Co., Ltd. Determiner L TC II	R1: 509ABC	Minaris Medical Co., Ltd. Determiner Lipid Calibrator	503ABC	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No
Hitachi High-Technologies Automatic Analyzer 7180	Minaris Medical Co., Ltd. Determiner C-TC	R1: 503ABB	Minaris Medical Co., Ltd. Determiner Lipid Calibrator	503ABC	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No

DENKA Co.,Ltd.,KAGAMIDA FACTORY
 Junichi Kuroi
 1359-1,Kagamida,Kigoshi,Gosen,Niigata,Japan 959-1695
 Niigata, Japan
 Phone: 0250-43-4111

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
JEOL Automatic Analyzer BM6050	DENKA T-CHO(S)N SEIKEN	R1: 942021	DENKA Lipid-Calibrator-D	951121	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No
TOSHIBA Automatic Analyzer TOSHIBA TBA- 2000FR	DENKA T-CHO(S)N SEIKEN	R1: 942021	DENKA Lipid-Calibrator-D	951121	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No

SRL, Inc

Masahiro KABURAGI

H.U. Bioness Complex, 50, Fuchigami, Akiruno-shi, Tokyo, 197-0833, Japan

Tokyo, Japan

Phone: 042-648-4360

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
JEOL Ltd. Automatic Analyzer JCA-BM8060GX	SEKISUI MEDICAL Co.,Ltd. Cholestest CHO	R1: 127RHS	SEKISUI MEDICAL Co.,Ltd Cholestest N Calibrator	125RJS	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No

B.M.L. Kawagoe Laboratory

Nobuki Arai

1361-1 Matoba, Kawagoe, Saitama, Japan 350-1101

Saitama, Japan

Phone: 049-232-0460

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Hitachi Ltd. Automatic Analyzer Labospect 008k	Fujifilm Wako Pure Chemical corporation L-Type CHO M	R1: DE242	Fujifilm Wako Pure Chemical Corporation Multi Calibrator Lipids	DH364	Venous Serum	6/17/2022	National Cerebral and Cardiovascular Center, Reaesrch Institute, Department of Research Promotion, Lipid Reference Laboratory	No

Ortho Clinical Diagnostics
Michael Castro
100 Indigo Creek Drive Building 313
Rochester, NY, USA
Phone: 453-5585

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Ortho Clinical Diagnostics VITROS® XT 3400 Chemistry System	Ortho Clinical Diagnostics VITROS® XT Chemistry Product TRIG-CHOL Slides	6811-0010-8412	Ortho Clinical Diagnostics VITROS® Calibrator Kit 2	251	Serum	7/5/2022	CEQAL, Inc.	No
Ortho Clinical Diagnostics VITROS® 4600 Chemistry System	Ortho Clinical Diagnostics VITROS® Chemistry Product CHOL Slides	0801-3376-9171	Ortho Clinical Diagnostics VITROS® Calibrator Kit 2	251	Serum	7/5/2022	CEQAL, Inc.	No
Ortho Clinical Diagnostics VITROS® 350 Chemistry System	Ortho Clinical Diagnostics VITROS® Chemistry Product CHOL Slides	0801-3376-9171	Ortho Clinical Diagnostics VITROS® Calibrator Kit 2	251	Serum	7/5/2022	CEQAL, Inc.	No
Ortho Clinical Diagnostics VITROS® XT 7600 Integrated System	Ortho Clinical Diagnostics VITROS® Chemistry Product CHOL Slides	0801-3376-9171	Ortho Clinical Diagnostics VITROS® Calibrator Kit 2	251	Serum	7/5/2022	CEQAL, Inc.	No
Ortho Clinical Diagnostics VITROS® 5,1 FS Chemistry System	Ortho Clinical Diagnostics VITROS® Chemistry Product CHOL Slides	0801-3376-9171	Ortho Clinical Diagnostics VITROS® Calibrator Kit 2	251	Serum	7/5/2022	CEQAL, Inc.	No
Ortho Clinical Diagnostics VITROS® XT 7600 Chemistry System	Ortho Clinical Diagnostics VITROS® XT Chemistry Product TRIG-CHOL Slides	6811-0010-8412	Ortho Clinical Diagnostics VITROS® Calibrator Kit 2	251	Serum	7/5/2022	CEQAL, Inc.	No
Ortho Clinical Diagnostics VITROS® 5600 Integrated System	Ortho Clinical Diagnostics VITROS® Chemistry Product CHOL Slides	0801-3376-9171	Ortho Clinical Diagnostics VITROS® Calibrator Kit 2	251	Serum	7/5/2022	CEQAL, Inc.	No
Ortho Clinical Diagnostics VITROS® XT 3400 Chemistry System	Ortho Clinical Diagnostics VITROS® Chemistry Product CHOL Slides	0801-3376-9171	Ortho Clinical Diagnostics VITROS® Calibrator Kit 2	251	Serum	7/5/2022	CEQAL, Inc.	No

Siemens Healthcare Diagnostics Inc.
 Sheila Perez-Nunez
 P.O Box 6101, ms 104, Newark, DE , 19714-6101
 Newark, DE, USA
 Phone: 302-631-9370

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Siemens Healthcare Diagnostics Inc. Atellica® CI 1900 Analyzer HYPEP26	Siemens Healthcare Diagnostics Inc. Atellica® CH Cholesterol_2 (Chol_2)	221620	Siemens Healthcare Diagnostics Inc. Atellica CH CHEM CAL	228150	Serum	7/11/2022	CEQAL, Inc.	No
Siemens Healthcare Diagnostics Inc. Dimension® ExL™ with LM Integrated Chemistry System 10004	Siemens Healthcare Diagnostics Inc. CHOL Flex® reagent cartridge (DF27)	GB3049	Siemens Healthcare Diagnostics Inc CHOL Calibrator (DC16)	1KD002	Serum	7/11/2022	CEQAL, Inc.	No
Siemens Healthineers Atellica® CH 930 Analyzer CM00295	Siemens Healthineers Atellica® CH Cholesterol_2 (Chol_2)	211570	Siemens Healthineers Atellica CH CHEM CAL	228150	Serum	7/11/2022	CEQAL, Inc.	No

Abbott Rapid Diagnostics

Ross Adams

9942 Mesa Rim Road, 92121

San Diego, CA, USA

Phone: -

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Alere LDX	Alere Lipid Profile	431895	Alere Multianalyte Control	902945174	Serum	9/1/2022	CEQAL, Inc.	Yes

Nova Biomedical
Martina Medkova
200 Prospect street, 02453
Waltham, MA, USA
Phone: (781) 647 3700 x1274

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Nova Biomedical Allegro	Nova Biomedical Allegro LIPIDS test cartridge	22228014	Nova Biomedical Cholesterol Lipid Calibrators	TC22	Serum	10/7/2022	CEQAL, Inc.	No

Abbott Rapid Diagnostic
RaMonda Harris
9942 Mesa Rim Road, 92121
San Diego, CA, USA
Phone: 7604070590

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Abbott Afinion 2 Analyzer	Abbott Lipid Panel	10217924	-	-	Serum	12/22/2022	CEQAL, Inc.	Yes

ACON laboratories, Inc.
 Bingchen Liu
 10125 Mesa Rim Road, 92121
 San Diego, CA, USA
 Phone: 875-8021, bliu@azureinstitute.com

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
ACON Laboratories, Inc Mission Cholesterol Monitoring System	ACON Laboratories, Inc Mission Cholesterol Test Device	OCH2110002	ACON Laboratories, Inc	201008	Fingertip blood	1/10/2023	Beijing Institute of Geriatrics	No
ACON Laboratories, Inc Mission Cholesterol Monitoring System	ACON Laboratories, Inc Mission Cholesterol Test Device	OCH2110002	ACON Laboratories, Inc	201008	Plasma	1/10/2023	Beijing Institute of Geriatrics	No
ACON Laboratories, Inc Mission Cholesterol Monitoring System	ACON Laboratories, Inc Mission Cholesterol Test Device	OCH2110002	ACON Laboratories, Inc	201008	Venous serum	1/10/2023	Beijing Institute of Geriatrics	No
ACON Laboratories, Inc Mission Ultra Cholesterol Monitoring System	ACON Laboratories, Inc CHOL Total Cholesterol Test Strips	Ch2100006	ACON Laboratories, Inc	200801	Fingertip blood	1/10/2023	Beijing Institute of Geriatrics	No
ACON Laboratories, Inc Mission Ultra Cholesterol Monitoring System	ACON Laboratories, Inc CHOL Total Cholesterol Test Strips	Ch2100006	ACON Laboratories, Inc	200801	Whole Blood	1/10/2023	Beijing Institute of Geriatrics	No
ACON Laboratories, Inc Mission Cholesterol Monitoring System	ACON Laboratories, Inc Mission Cholesterol Test Device	OCH2110002	ACON Laboratories, Inc	201008	Whole Blood	1/10/2023	Beijing Institute of Geriatrics	No

SHANGHAI KEHUA BIO-ENGINEERING CO., LTD.

Yu Chen

1189 NORTH QINZHOU ROAD, 200233

SHANGHAI, China

Phone: 021-64850088-5001

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
SHANGHAI KEHUA LABORATORY SYSTEM CO. LTD KHB ZY Automatic Analyzer	SHANGHAI KEHUA BIO-ENGINEERING CO., LTD. KHB Total Cholesterol Kit(CHOD-PAP Method)	20221012	SHANGHAI KEHUA BIO-ENGINEERING CO., LTD. KHB Clinical Chemistry Calibrator level 2	20220921	Venous Serum	3/1/2023	Beijing Institute of Geriatrics	No
SHANGHAI KEHUA LABORATORY SYSTEM CO. LTD KHB ZY Automatic Analyzer	SHANGHAI KEHUA BIO-ENGINEERING CO., LTD. KHB Total Cholesterol Kit(CHOD-PAP Method)	20221012	SHANGHAI KEHUA BIO-ENGINEERING CO., LTD. KHB Clinical Chemistry Calibrator level 2	20220921	Venous Serum	3/1/2023	Beijing Institute of Geriatrics	No
SHANGHAI KEHUA LABORATORY SYSTEM CO. LTD KHB ZY Automatic Analyzer	SHANGHAI KEHUA BIO-ENGINEERING CO., LTD. KHB Total Cholesterol Kit(CHOD-PAP Method)	20221012	SHANGHAI KEHUA BIO-ENGINEERING CO., LTD. KHB Clinical Chemistry Calibrator level 2	20220921	Venous Serum	3/1/2023	Beijing Institute of Geriatrics	No

Abbott Ireland Diagnostic

Orla Haugh

Lisnamuck

Longford, Co., Ireland

Phone: +353 43333 4803, orla.haugh@abbott.com

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Abbott Alinity	Abbott Total Cholesterol	45554UD00	Abbott ConCC	0001198UE	Venous Serum	3/3/2023	Erasmus MC	No
Abbott Architect c4000	Abbott Total Cholesterol	45556UD00	Abbott ConCC	1244UE	Venous Serum	3/3/2023	Erasmus MC	No
Abbott Architect c8000	Abbott Total Cholesterol	45556UD00	Abbott ConCC	1244UE	Venous Serum	3/3/2023	Erasmus MC	No
Abbott Architect c16000	Abbott Total Cholesterol	45556UD00	Abbott ConCC	1244UE	Venous Serum	3/3/2023	Erasmus MC	No

Roche Diagnostics GmbH

-

Nonnenwald 2

82377 Penzberg, Germany

Phone: -

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Roche Diagnostics GmbH Cobas	Roche Diagnostics GmbH CHOL2	645 934	Roche Diagnostics GmbH CFAS	595 212	Serum	3/3/2023	Erasmus MC	No

Siemens Healthcare Diagnostics Inc.

Sheila Perez-Nunez (sheila.perez-nunez@siemens-healthineers.com)

P.O Box 6101, ms 104, 19714-6101

Newark, DE, USA

Phone: 302-631-9370

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Siemens Healthcare Diagnostics Inc. Dimension Vista® System	Siemens Healthcare Diagnostics Inc. CHOL Flex® reagent cartridge	22241AA	Siemens Healthcare Diagnostics Inc. Vista Chem 1 Calibrator	2DD077	Serum	3/20/2023	CEQAL, Inc.	No

PTS Diagnostics (Polymer Technology systems, Inc.)

Michelle Deal

4600 Anson Boulevard, 46075

Whitestown, IN, USA

Phone: 870-560-5610 ext. 1102

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
PTS Diagnostics CardioChek PA®	-	-	-	-	Whole Blood	4/6/2023	CEQAL, Inc.	Yes

PTS Diagnostics (Polymer Technology Systems, Inc.)

Michelle Deal
4601 Anson Boulevard, 46075
Whitestown, IN, USA
Phone: 870-5610 ext. 1102

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
PTS Diagnostics CardioChek Plus®	-	-	-	-	Whole Blood	4/6/2023	CEQAL, Inc.	Yes

PWN Laboratory LLC
Ilia Vinogradov
2401 W. Hassell Rd., Suite 1510, 60169
Hoffman Estates, IL, USA
Phone: 847-310-6032

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Beckman Coulter AU680	Beckman Coulter Cholesterol	2612	Beckman Coulter Lyophilized Chemistry Calibrator	6102K01D	Dried Capillary Serum	4/27/2023	CEQAL Inc.	No

Roche Diagnostics GmbH

-

Nonnenwald 2

82377 Penzberg, Germany

Phone: -

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Roche Diagnostics GmbH Cobas	Roche Diagnostics GmbH CHOL2	699 587	Roche Diagnostics GmbH CFAS	186 488	Serum	5/10/2023	Erasmus MC	No

Abbott Laboratories

Dror Yahalom, PhD
1921 Hurd Dr., 75038
Irving, TX, USA
Phone: 972-518-6716

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Abbott Alinity	Abbott Total Cholesterol	23146UN22	Abbott MCC	57011FD01	Venous Serum	6/1/2023	CEQAL, Inc.	No
Abbott Architect c4000	Abbott Total Cholesterol	26226UN22	Abbott MCC	37190FD01	Venous Serum	6/1/2023	CEQAL, Inc.	No
Abbott Architect c8000	Abbott Total Cholesterol	26226UN22	Abbott MCC	37190FD01	Venous Serum	6/1/2023	CEQAL, Inc.	No
Abbott Architect c16000	Abbott Total Cholesterol	26226UN22	Abbott MCC	37190FD01	Venous Serum	6/1/2023	CEQAL, Inc.	No

Hangzhou Sejoy Electronics & Instrument Co., Ltd.

KaiFeng Jin

Area C, Building 2, NO.365, Wuzhou Road, Hangzhou Yuhang Economic Development Zone, Yuhang, Hangzhou,
Zhejiang, China

Phone: 13588289809

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Meter	Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Test Cartridges,BFC-101	BFC-1-0001	Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Quality control liquid	BFC-A-0001	Capillary blood	8/15/2023	Beijing Institute of Geriatrics	Yes
Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Meter	Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Test Cartridges,BFC-101	BFC10004	Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Quality control liquid	BFC-A-0001	Venous blood	8/15/2023	Beijing Institute of Geriatrics	Yes
Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Meter	Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Test Cartridges,BFC-102	BFC-1-0004	Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Quality control liquid	BFC-A-0001	Capillary blood	8/15/2023	Beijing Institute of Geriatrics	Yes
Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Meter	Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Test Cartridges,BFC-102	BFC-1-0004	Hangzhou Sejoy Electronics & Instrument Co., Ltd. Sejoy® Lipid Panel Quality control liquid	BFC-A-0001	Venous blood	8/15/2023	Beijing Institute of Geriatrics	Yes
Shenzhen Mindray Bio-medical Electronics Co. LTD Mindray BS series biochemical analysis instruments	Shenzhen Mindray Bio-medical Electronics Co. LTD Total cholesterol (TC) test kit	141622014	Shenzhen Mindray Bio-medical Electronics Co. LTD Mindray matching calibration products	150122010	Human Serum	8/15/2023	Beijing Institute of Geriatrics	No

Siemens Healthcare Diagnostics Inc.

Sheila Perez-Nunez

P.O. Box 6101, M/S 104, 19714-6101

Newark, DE, USA

Phone: sheila.perez-nunez@siemens-healthineers.com)

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Siemens Healthcare Diagnostics Inc. ADVIA® 1800	Siemens Healthcare Diagnostics CHOL_2	625172 (696CH)	Siemens Healthcare Diagnostics Inc. ADVIA® Chemistry Calibrator	435054	Serum	8/31/2023	CEQAL, Inc.	No
Siemens Healthcare Diagnostics Inc. ADVIA® 1800	Siemens Healthcare Diagnostics CHOL_c	613243 (688CH)	Siemens Healthcare Diagnostics Inc. ADVIA® Chemistry Calibrator	435054	Serum	9/5/2023	CEQAL, Inc.	No

Shenzhen Mindray Bio-medical Electronics Co., Ltd. Biochemistry Standardization Laboratory

Li Zhiyuan

Mindray Guangming Production Base, 1203 Nanhuan Avenue, Guangming New District

Shenzhen, 518107, P.R.China

Phone: 13720431586/0755-81888410, lizhiyuan_a@mindray.com

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Hitachi 008AS Chemistry Analyzer	Hunan Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	1416230161	Hunan Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	1501230031	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Hitachi 008AS Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Beckman AU5800 Chemistry Analyzer	Hunan Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	1416230161	Hunan Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	1501230031	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Beckman AU5800 Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-2800M Chemistry Analyzer	Hunan Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Hunan Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-2800M Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-2000M Chemistry Analyzer	Hunan Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	1416230161	Hunan Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	1501230031	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-2000M Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-830 Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-800M Chemistry Analyzer	Hunan Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	1416230161	Hunan Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	1501230031	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-800M Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No

Instrument	Reagent	Reagent Lot(s)	Calibrator	Calibrator Lot(s)	Matrix	Certification Date	Network Laboratory	POC
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-600M Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-430 Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-240Pro Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No
Shenzhen Mindray Bio-medical Electronics Co., Ltd. BS-240 Chemistry Analyzer	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Total Cholesterol Kit	141623016	Shenzhen Mindray Bio-medical Electronics Co., Ltd. Multi Sera Calibrator	150123003	Venous Serum	1/26/2024	Beijing Institute of Geriatrics	No