



# ***CHOLESTEROL REFERENCE METHOD LABORATORY NETWORK (CRMLN)***

## **LIST OF ANALYTICAL SYSTEMS & REAGENTS CERTIFIED FOR LDL**

**Date Updated: April 2026**

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.

**DENKA Co.,Ltd.,KAGAMIDA FACTORY**  
JUNICHI KUROI  
1359-1,Kagamida,Kigoshi,Gosen 959-1695, Niigata  
Japan  
Phone: 0250-43-4111  
E-mail: junichi.kuroi@denka.co.jp

| Instrument                 | Reagent             | Reagent Lot(s)           | Calibrator               | Calibrator Lot(s) | Matrix       | Certification Date | Network Laboratory                                                                  | POC |
|----------------------------|---------------------|--------------------------|--------------------------|-------------------|--------------|--------------------|-------------------------------------------------------------------------------------|-----|
| HITACHI Automatic Analyzer | DENKA LDL-RX SEIKEN | R1: RD-LA01, R2: RD-LB01 | DENKA Lipid-Calibrator-D | 44051             | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center,<br>Department of Preventive Cardiology | No  |

**SEKISUI MEDICAL Co., Ltd., Tsukuba Plant Ibaraki, Japan**

Yoshinori Motoyama

3-1, Koyodai 3-chome, Ryugasaki 301-0852, Ibaraki

Japan

Phone: (+81) 0297-62-7551

E-mail: yoshinori-motoyama@sekisui.com

| Instrument                                     | Reagent                                  | Reagent Lot(s)         | Calibrator                                           | Calibrator Lot(s) | Matrix       | Certification Date | Network Laboratory                                                               | POC |
|------------------------------------------------|------------------------------------------|------------------------|------------------------------------------------------|-------------------|--------------|--------------------|----------------------------------------------------------------------------------|-----|
| Hitachi Medical Corporation Automatic analyzer | SEKISUI MEDICAL Co., Ltd. Cholestest LDL | R1: 214RGV, R2: 214RHV | SEKISUI MEDICAL Co., Ltd. Cholestest N Calibrator    | 141REV            | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |
| Hitachi Medical Corporation Automatic analyzer | SEKISUI MEDICAL Co., Ltd. Cholestest LDL | R1: 214RGV, R2: 214RHV | SEKISUI MEDICAL Co., Ltd. Cholestest N Calibrator(K) | 141REV            | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |
| Hitachi Medical Corporation Automatic analyzer | SEKISUI MEDICAL Co., Ltd. Cholestest LDL | R1: 214RGV, R2: 214RHV | SEKISUI MEDICAL Co., Ltd. Cholestest N Calibrator    | 141REV            | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |
| Hitachi Medical Corporation Automatic analyzer | SEKISUI MEDICAL Co., Ltd. Cholestest LDL | R1: 214RGV, R2: 214RHV | SEKISUI MEDICAL Co., Ltd. Cholestest N Calibrator(K) | 141REV            | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |

**Minaris Medical Co., Ltd.Fuji Plant**  
Hiroko Ichinose  
600-1 Minami-ishiki Nagaizumi-cho, Sunto-gun 411-0932, Shizuoka  
Japan  
Phone: 055-988-6014  
E-mail: hiroko1.ichinose@medical.canon

| Instrument                                   | Reagent                                      | Reagent Lot(s)         | Calibrator                                               | Calibrator Lot(s) | Matrix       | Certification Date | Network Laboratory                                                               | POC |
|----------------------------------------------|----------------------------------------------|------------------------|----------------------------------------------------------|-------------------|--------------|--------------------|----------------------------------------------------------------------------------|-----|
| Hitachi High-Technologies Automatic Analyzer | Minaris Medical Co., Ltd. Metabolead LDL-C   | R1: 571ADF, R2: 571ADF | Minaris Medical Co., Ltd. Metabolead Std Serum HDL/LDL-C | 610ADH            | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |
| Hitachi High-Technologies Automatic Analyzer | Minaris Medical Co., Ltd. Determiner L LDL-C | R1: 810ADB, R2: 810ADB | Minaris Medical Co., Ltd. Determiner Std Serum HDL/LDL-C | 610ADH            | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |

**FUJIFILM Corporation, Medical Systems Research & Development Center**

Shinji Matsugi

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

Japan

Phone: 06-6499-9133

E-mail: shinji.matsugi@fujifilm.com

| Instrument                                     | Reagent                                                     | Reagent Lot(s)             | Calibrator                                                      | Calibrator Lot(s) | Matrix       | Certification Date | Network Laboratory                                                               | POC |
|------------------------------------------------|-------------------------------------------------------------|----------------------------|-----------------------------------------------------------------|-------------------|--------------|--------------------|----------------------------------------------------------------------------------|-----|
| Hitachi Medical Corporation Automatic Analyzer | FUJIFILM Wako Pure Chemical Corporation L-Type wako LDL-C/M | R1: AH082, R2: AH084       | FUJIFILM Wako Pure Chemical Corporation Multi Calibrator Lipids | AE807             | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |
| Hitachi Medical Corporation Automatic Analyzer | FUJIFILM Wako Pure Chemical Corporation L-Type wako LDL-C   | R1: 24050029, R2: 24050030 | FUJIFILM Wako Pure Chemical Corporation Multi Calibrator Lipids | AH074             | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |
| Beckman Coulter Automatic Analyzer             | FUJIFILM Wako Pure Chemical Corporation L-Type LDL-C        | R1: KP622, R2: KP624       | FUJIFILM Wako Pure Chemical Corporation LDL-C Calibrator        | KL660             | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |
| Beckman Coulter Automatic Analyzer             | Beckman Coulter LDL-C OSR6283                               | 2361                       | Beckman Coulter LDL-C Calibrator ODC0012                        | 1077A             | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |

**UMA Co.,Ltd.**  
Takeshi Yoshikai  
2-19-6 Yokosuka Matsudo-city 270-0031, Chiba-pref.  
Japan  
Phone: 047 (710) 4871  
E-mail: hinkan@uma-kk.co.jp

| Instrument                 | Reagent                  | Reagent Lot(s)           | Calibrator                     | Calibrator Lot(s) | Matrix       | Certification Date | Network Laboratory                                                               | POC |
|----------------------------|--------------------------|--------------------------|--------------------------------|-------------------|--------------|--------------------|----------------------------------------------------------------------------------|-----|
| Hitachi Automatic Analyzer | UMA Co.,Ltd. MEASURE LDL | R1 : 481ADH, R2 : 481ADH | UMA Co.,Ltd. Lipids Calibrator | 120               | Venous Serum | 10/25/2024         | National Cerebral and Cardiovascular Center, Department of Preventive Cardiology | No  |

**Roche Diagnostics GmbH**  
Dr. Horst Klima  
Nonnenwald 2, Penzberg  
Germany  
Phone: 498856605158  
E-mail: horst.klima@roche.com

| Instrument                   | Reagent                      | Reagent Lot(s) | Calibrator                            | Calibrator Lot(s) | Matrix | Certification Date | Network Laboratory | POC |
|------------------------------|------------------------------|----------------|---------------------------------------|-------------------|--------|--------------------|--------------------|-----|
| Roche Diagnostics GmbH Cobas | Roche Diagnostics GmbH LDLC3 | 785692         | Roche Diagnostics GmbH Cfas<br>Lipids | 469280            | Serum  | 10/17/2024         | Erasmus MC         | No  |

**DENKA Co.,Ltd.,KAGAMIDA FACTORY**  
**JUNICHI KUROI**  
 1359-1,Kagamida,Kigoshi,Gosen 959-1695, Niigata  
 Japan  
 Phone: 0250-43-4111  
 E-mail: junichi.kuroi@denka.co.jp

| Instrument                 | Reagent             | Reagent Lot(s)         | Calibrator               | Calibrator Lot(s) | Matrix       | Certification Date | Network Laboratory                                                                  | POC |
|----------------------------|---------------------|------------------------|--------------------------|-------------------|--------------|--------------------|-------------------------------------------------------------------------------------|-----|
| HITACHI Automatic Analyzer | DENKA LDL-EX SEIKEN | R1: 325051, R2: 085051 | DENKA Lipid-Calibrator-D | LM0525            | Venous Serum | 7/4/2025           | National Cerebral and Cardiovascular Center,<br>Department of Preventive Cardiology | No  |
| JEOL Automatic Analyzer    | DENKA LDL-EX SEIKEN | R1: 325051, R2: 085051 | DENKA Lipid-Calibrator-D | LM0525            | Venous Serum | 7/4/2025           | National Cerebral and Cardiovascular Center,<br>Department of Preventive Cardiology | No  |
| TOSHIBA Automatic Analyzer | DENKA LDL-EX SEIKEN | R1: 325051, R2: 085051 | DENKA Lipid-Calibrator-D | LM0525            | Venous Serum | 7/4/2025           | National Cerebral and Cardiovascular Center,<br>Department of Preventive Cardiology | No  |

**Sekisui Diagnostics P.E.I. Inc**  
Lauren Giddings  
70 Watts Ave., Charlottetown  
Canada  
Phone: (902) 628-0967  
E-mail: lauren.giddings@sekisui-dx.com

| Instrument                        | Reagent                                                            | Reagent Lot(s) | Calibrator                                                    | Calibrator Lot(s) | Matrix       | Certification Date | Network Laboratory | POC |
|-----------------------------------|--------------------------------------------------------------------|----------------|---------------------------------------------------------------|-------------------|--------------|--------------------|--------------------|-----|
| Hitachi Medical Corp. Hitachi 911 | Sekisui Diagnostics P.E.I. Inc.<br>LDL Cholesterol Reagent         | R1: 68678      | Sekisui Diagnostics P.E.I. Inc.<br>LDL Cholesterol Calibrator | 534531            | Venous Serum | 12/23/2025         | CEQAL Inc.         | No  |
| Hitachi Medical Corp. Hitachi 911 | Sekisui Diagnostics P.E.I. Inc.<br>LDL Cholesterol Reagent (For R) | R1: 67789      | Sekisui Diagnostics P.E.I. Inc.<br>LDL Cholesterol Calibrator | 534531            | Venous Serum | 12/23/2025         | CEQAL Inc.         | No  |

**Siemens Healthcare Diagnostics Inc.**  
Peter Foote  
P.O. Box 6101, M/S 113C, Newark, DE  
USA  
Phone: 267-584-1424  
E-mail: peter.foote@siemens-healthineers.com

| Instrument                                                     | Reagent                                                   | Reagent Lot(s) | Calibrator                                                      | Calibrator Lot(s) | Matrix       | Certification Date | Network Laboratory | POC |
|----------------------------------------------------------------|-----------------------------------------------------------|----------------|-----------------------------------------------------------------|-------------------|--------------|--------------------|--------------------|-----|
| Siemens Healthcare<br>Diagnostics Atellica® CH 930<br>Analyzer | Siemens Healthcare<br>Diagnostics Atellica® CH LDLC       | 140439         | Siemens Healthcare<br>Diagnostics Atellica® CH LDLC<br>CAL      | 4MD190            | Venous Serum | 8/12/2025          | CEQAL Inc.         | No  |
| Siemens Healthcare<br>Diagnostics Dimension® ExL               | Siemens Healthcare<br>Diagnostics Dimension® ALDL<br>Flex | FA5304         | Siemens Healthcare<br>Diagnostics Dimension® ALDL<br>Calibrator | 4GD034            | Venous Serum | 8/11/2025          | CEQAL Inc.         | No  |
| Siemens Healthcare<br>Diagnostics Atellica® CI<br>Analyzer     | Siemens Healthcare<br>Diagnostics Atellica® CH LDLC       | 140370         | Siemens Healthcare<br>Diagnostics Atellica® CH LDLC<br>CAL      | 4MD190            | Venous Serum | 8/12/2025          | CEQAL Inc.         | No  |