

**List of NGSP Certified Methods**  
**(updated 4/24, listed by date certified)**

The NGSP has certified the following methods and reagents as having documented traceability to the Diabetes Control and Complications Trial Reference Method. Manufacturers are awarded Certificates of Traceability for successfully completing bias testing for specific methods, reagent lots, calibrator lots and instrumentation used. Traceability to the DCCT applies only to results from fresh blood samples. Analysis of processed (e.g. lyophilized) material may be subject to matrix effects and any comparisons to the DCCT using results from processed specimens should be made with caution.

The NGSP recommends that manufacturers certify their methods each year; the certificate of traceability expires after 1 year. During the year, it is the responsibility of the manufacturer to ensure that the results of their method remain consistent over time throughout the year and between lots. It is not the intent of the NGSP to certify each lot of reagents.

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Vitrosens Biyoteknoloji A.Ş.	RapidFor HbA1c Rapid Test Kit (FIA) on FIAPro	Immuno- assay	Apr '24	P0623121501	-	-	-	Univ. of Missouri. SRL #12
Shenzhen Xilaiheng Medical Electronics Co., Ltd.	HPLC on H600 Full-Auto	Ion- exchange HPLC	Apr '24	231030024, 231030024, 231030024, 231030024, -	211501-115, 211501-115	5.5%, 15.5%	240226	Zhongshan Hospital ASRL#3
Archem Sağlık Sanayi ve Ticaret A.Ş.	HbA1c Immunoturbidi metric on Mindray BS800 & BS800M	Immuno- assay	Apr '24	094	033	5.7%, 8.0%, 11.0%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric on Mindray BS2000M	Immuno- assay	Apr '24	094	033	5.7%, 8.0%, 11.0%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric on DxC 700 AU	Immuno- assay	Apr '24	094	033	5.7%, 8.0%, 11.0%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric on Olympus AU5800	Immuno- assay	Apr '24	094	033	5.7%, 8.0%, 11.0%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric on Olympus AU480	Immuno- assay	Apr '24	094	033	5.7%, 8.0%, 11.0%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric on Olympus AU680	Immuno- assay	Apr '24	094	033	5.7%, 8.0%, 11.0%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric Method on Architect c4000	Immuno- assay	Apr '24	092	033	5.9%, 8.0%, 10.9%, 15.5%	-	European Reference Lab ESRL #13

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Archem Sağlık Sanayi ve Ticaret A.Ş.	HbA1c Immunosorbent Method on Architect c8000	Immuno-assay	Apr '24	094	033	5.7%, 8.0%, 11.0%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunosorbent Method on Architect c16000	Immuno-assay	Apr '24	092	033	5.9%, 8.6%, 10.9%, 15.5%	-	European Reference Lab ESRL #13
Sekisui Medical Co., Ltd.	Norudia N HbA1c on Hitachi 7170 S	Enzymatic	Apr '24	211RLU, 211RLU, 142RLU	221RLU	3.23 15.19 µmol/L HbA1c; 96.8, 152.1 µmol/L Hb	-	ReCCS ASRL#1
	(RE) Norudia N HbA1c on Hitachi 3500	Enzymatic	Apr '24	210RLU, 210RLU, 142RLU	208RLT	5.01, 23.47 µmol/L HbA1c; 162.5, 226.8 µmol/L Hb	-	ReCCS ASRL#1
	(RE) Norudia N HbA1c on TBA-nx360	Enzymatic	Apr '24	HBA220RLU, HBA220RLU, 142RLU	208RLT	5.01, 23.47 µmol/L HbA1c; 162.5, 226.8 µmol/L Hb	-	ReCCS ASRL#1
	(RE) Norudia N HbA1c on Hitachi 7180	Enzymatic	Apr '24	210RLU, 210RLU, 142RLU	208RLT	5.01, 23.47 µmol/L HbA1c; 162.5, 226.8 µmol/L Hb	-	ReCCS ASRL#1
	HbA1c Auto TBA on TBA-120FR	Enzymatic	Apr '24	206RLU, 206RLU, 142RLU	212RLU	3.23 15.19 µmol/L HbA1c; 96.8, 152.1 µmol/L Hb	-	ReCCS ASRL#1
	L-type Norudia N HbA1c on Hitachi LST006	Enzymatic	Apr '24	302RLU, 302RLU, 142RLU	211RLU	3.32, 14.88 µmol/L HbA1c; 100.9, 147.9 µmol/L Hb	-	ReCCS ASRL#1
	L-type Norudia N HbA1c on Hitachi LST008	Enzymatic	Apr '24	302RLU, 302RLU, 142RLU	211RLU	3.32, 14.88 µmol/L HbA1c; 100.9, 147.9 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on JCA-BM9130	Enzymatic	Apr '24	211RLU, 211RLU, 142RLU	221RLU	3.23 15.19 µmol/L HbA1c; 96.8, 152.1 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on EV800	Enzymatic	Apr '24	211RLU, 211RLU, 142RLU	221RLU	3.23 15.19 µmol/L HbA1c; 96.8, 152.1 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on Hitachi 3500	Enzymatic	Apr '24	211RLU, 211RLU, 142RLU	221RLU	3.23 15.19 µmol/L HbA1c; 96.8, 152.1 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on SK300	Enzymatic	Apr '24	211RLU, 211RLU, 142RLU	221RLU	3.23 15.19 µmol/L HbA1c; 96.8, 152.1 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on TBA-120FR	Enzymatic	Apr '24	211RLU, 211RLU, 142RLU	221RLU	3.23 15.19 µmol/L HbA1c; 96.8, 152.1 µmol/L Hb	-	ReCCS ASRL#1
	RC-W VARIANT Mode	Enzymatic	Apr '24	230523, 230524, 230519	230414	5.12%, 10.88%	2311100019	ReCCS ASRL#1
UMA Co., Ltd.	MEASURE HbA1c II on Hitachi-7180	Immuno-assay	Apr '24	459ADB, 248ADC	138ADC	0.0%, 5.9%, 7.7%, 12.3%, 17.1%	-	ReCCS ASRL#1

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Fujirebio Inc.	<sup>†</sup> AU- SYNCHRON Reagent HbA1C on DxC700AU	Immuno- assay	Apr '24	F9A038, F9A038, H2A029	H1A038	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	<sup>†</sup> Rapidia Auto HbA1c-L on BiOLis30i Premium	Immuno- assay	Apr '24	QF30703, RF30703, NF30703	VF30906	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	<sup>†</sup> Rapidia Auto HbA1c-L on JCA-BM9130	Immuno- assay	Apr '24	QF30703, RF30703, NF30703	VF30906	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	<sup>†</sup> Rapidia Auto HbA1c-L on AU680	Immuno- assay	Apr '24	QF30703, RF30703, NF30703	VF30906	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	<sup>†</sup> Rapidia Auto HbA1c-L on Hitachi 7180	Immuno- assay	Apr '24	QF30703, RF30703, NF30703	VF30906	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	<sup>†</sup> Rapidia Auto HbA1c-L on TBA-120FR	Immuno- assay	Apr '24	QF30703, RF30703, NF30703	VF30906	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
Abbott Diagnostics Technologies AS	Afinion HbA1c / Afinion AS100 Analyzer	Boronate affinity	Apr '24	10222559	-	-	-	European Reference Lab ESRL #11
	Afinion HbA1c Dx / Afinion AS100 Analyzer	Boronate affinity	Apr '24	10224210	-	-	-	European Reference Lab ESRL #11
	Afinion HbA1c Dx / Afinion 2 Analyzer	Boronate affinity	Apr '24	10224210	-	-	-	European Reference Lab ESRL #11
	Afinion HbA1c / Afinion 2 Analyzer	Boronate affinity	Apr '24	10222559	-	-	-	European Reference Lab ESRL #11
Arkray, Inc.	<sup>†</sup> ADAMS A1c HA-8180	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230605105	S3003	5.3%, 10.7%	3E201N	ReCCS ASRL#1
	<sup>†</sup> ADAMS A1c HA-8181	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230605105	S3003	5.3%, 10.7%	3A051N	ReCCS ASRL#1
	<sup>†</sup> ADAMS A1c HA-8182	Ion- exchange HPLC	Apr '24	3H1001, 3H1021, 3K1042	CA83D20	5.3%, 10.7%	3F494N	ReCCS ASRL#1
	ADAMS A1c HA-8180V Variant mode	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230628140, 230605105	S3003	5.4%, 10.7%	3E302E	ReCCS ASRL#1
	<sup>†</sup> ADAMS A1c HA-8180V Fast mode	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230628140, 230605105	S3003	5.3%, 10.7%	3E302E	ReCCS ASRL#1
	<sup>†</sup> ADAMS A1c Lite HA-8380V Fast mode	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230628140, 230605105	S3003	5.3%, 10.7%	3H401E	ReCCS ASRL#1
	<sup>†</sup> ADAMS A1c Lite HA-8380V Variant mode	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230628140, 230605105	S3003	5.3%, 10.7%	3H401E	ReCCS ASRL#1

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Arkray, Inc.	<sup>†</sup> ADAMS A1c HA-8190V Fast mode	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230426364, 230605105	S3003	5.4%, 10.8%	3E052V	ReCCS ASRL#1
	<sup>†</sup> ADAMS A1c HA-8190V Variant mode	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230426364, 230605105	S3003	5.4%, 10.8%	3E052V	ReCCS ASRL#1
	<sup>†</sup> ADAMS A1c Lite HA-8380	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230605105	S3003	5.3%, 10.7%	3E202N	ReCCS ASRL#1
	<sup>†</sup> ADAMS A1c HA-8180T	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230922160, 230605105	S3003	5.3%, 10.7%	3E001L	ReCCS ASRL#1
	<sup>†</sup> ADAMS HYBRID AH- 8290	Ion- exchange HPLC	Apr '24	230821101, 230913102, 230605105	S3003	5.3%, 10.7%	3A052N	ReCCS ASRL#1
	<sup>†</sup> CinQ HbA1c on JCA- BM6010 HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '24	MFA46, MFE45	CAC2L29	2.69, 7.09 umol/L HbA1c; 96.0 umol/L Hb	-	ReCCS ASRL#1
	<sup>†</sup> CinQ HbA1c on JCA- BM9130 HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '24	MFA46, MFE45	CAC2L29	2.69, 7.09 umol/L HbA1c; 96.0 umol/L Hb	-	ReCCS ASRL#1
	<sup>†</sup> CinQ HbA1c on JCA-ZS050 HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '24	MFA46, MFE45	CAC2L29	2.69, 7.09 umol/L HbA1c; 96.0 umol/L Hb	-	ReCCS ASRL#1
	<sup>†</sup> CinQ HbA1c on LABOSPECT006 HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '24	HLS46	CAC2L29	2.69, 7.09 umol/L HbA1c; 96.0 umol/L Hb	-	ReCCS ASRL#1
	<sup>†</sup> CinQ HbA1c on TBA-120FR HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '24	MFA46, MFE45	CAC2L29	2.69, 7.09 umol/L HbA1c; 96.0 umol/L Hb	-	ReCCS ASRL#1
	@ The Lab 001 HbA1c%(NGSP)= 0.0915*HbA1c/Hb *1000(IFCC)+2.1 5	Capillary Electroph oresis	Apr '24	CE113M3A1	-	-	-	ReCCS ASRL#1
Siemens Healthcare Diagnostics	Dimension Vista A1C on Dimension Vista 500	Immuno- assay	Apr '24	23254BA	3JD001	0.15, 0.44, 0.87, 1.48, 2.04 g/dL HbA1c; 11.53, 11.30 g/dL Hb	-	Univ. of Missouri. SRL #12

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Siemens Healthcare Diagnostics	Dimension Vista A1C on Dimension Vista 1500	Immuno- assay	Apr '24	23254BA	3JD001	0.15, 0.44, 0.87, 1.48, 2.04 g/dL HbA1c; 11.53, 11.30 g/dL Hb	-	Univ. of Missouri. SRL #12
Careium Medical Instruments Co., Limited	Catio-exchange chromatography on KH-101	Ion- exchange HPLC	Mar '24	20231206	20231115, 20231115	5.10%, 10.00%	20231216	Zhongshan Hospital ASRL#3
	Catio-exchange chromatography on T9	Ion- exchange HPLC	Mar '24	20231030	20231115, 20231115	5.10%, 10.00%	P170995183	Zhongshan Hospital ASRL#3
LumiraDx	LumiraDx HbA1c Test	Immuno- assay	Mar '24	6001221	-	-	-	European Reference Lab ESRL #15
Labnovation Technologies, Inc.	HPLC on LD- 500, LD-510, LD-520	Ion- exchange HPLC	Mar '24	20230821, 20230821, 20230821	20230706, 20230706	5.7%, 10.2%	20230821	ReCCS ASRL#1
	HPLC on LD- 560, LD-561, LD-562	Ion- exchange HPLC	Mar '24	20230921, 20230921, 20230921	20230706, 20230706	5.7%, 10.2%	C3046666933	ReCCS ASRL#1
	HPLC on LD- 600, LD-620	Ion- exchange HPLC	Mar '24	20231024, 20231024, 20231024	20230706, 20230706	5.7%, 10.2%	C3047156933	ReCCS ASRL#1
	Borate affinity on LD-100, LD- 120, LD-160, LD-180, LD- 190	Boronate Affinity	Mar '24	20231023	20230706, 20230706	5.7%, 10.2%	-	ReCCS ASRL#1
Minaris Medical Co., Ltd.	Determiner L HbA1c on FUNOTEC FC- 300	Immuno- assay	Mar '24	557ACI, 557ACI	512ACI	0.0%, 4.3%, 6.9%, 9.8%, 13.4%	-	ReCCS ASRL#1
	Determiner L HbA1c DM- JACK	Immuno- assay	Mar '24	557ACI, 557ACI	512ACI	0.0%, 4.4%, 6.9%, 9.8%, 13.3%	-	ReCCS ASRL#1
	Determiner L HbA1c on JCA- BM9130	Immuno- assay	Mar '24	557ACI, 557ACI	512ACI	0.0%, 4.3%, 6.9%, 9.8%, 13.4%	-	ReCCS ASRL#1
	Determiner L HbA1c on TBA- 120FR	Immuno- assay	Mar '24	557ACI, 557ACI	512ACI	0.0%, 4.3%, 6.9%, 9.8%, 13.4%	-	ReCCS ASRL#1
	Determiner L HbA1c on Hitachi-7180	Immuno- assay	Mar '24	557ACI, 557ACI	513ACI	0.0%, 4.3%, 7.0%, 9.8%, 13.4%	-	ReCCS ASRL#1
Thermo Fisher Scientific Oy	HbA1c for Indiko, ref 981947, 981948 (91.5*HbA1c/H b*+2.15)	Immuno- assay	Mar '24	W383, W071	W362	1.4831mmol/L HbA1c; 8.688 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c for Konelab, ref 981947, 981948 (91.5*HbA1c/H b*+2.15)	Immuno- assay	Mar '24	W383, W071	W362	1.4831mmol/L HbA1c; 8.688 mmol/L Hb	-	European Reference Lab ESRL #13
PTS Diagnostics	A1CNOW+; A1CNOW Selfcheck	Immuno- assay	Mar '24	2135749	-	-	-	Univ. of Missouri. SRL #9
Anbio Biotechnology Limited	KCARD 100 Automatic Immunofluores- cence Analyzer	Immuno- assay	Feb '24	217001, 217001	-	-	-	Zhongshan Hospital ASRL#3

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Anbio Biotechnology Limited	AF-100 Immunofluorescence Analyzer	Immuno- assay	Feb '24	3017005, 3017005	-	-	-	Zhongshan Hospital ASRL#3
	AF-100s Immunofluorescence Analyzer	Immuno- assay	Feb '24	3017005, 3017005	-	-	-	Zhongshan Hospital ASRL#3
	AF-1200 Immunofluorescence Analyzer	Immuno- assay	Feb '24	3017005, 3017005	-	-	-	Zhongshan Hospital ASRL#3
Maccura Biotechnology Co., Ltd	Ion-exchange HPLC on G 01/G01S	Ion- exchange HPLC	Feb '24	1223051	1223051	5.3%, 10.2%	20200601008	Zhongshan Hospital ASRL#3
VivaChek Biotech (Hangzhou) Co., Ltd.	Fluorescence Immunoassay on POCT VIM2000	Immuno- assay	Feb '24	SE2310099	-	-	-	Zhongshan Hospital ASRL#3
	Fluorescence Immunoassay on POCT VIM220H	Immuno- assay	Feb '24	SE2310100	-	-	-	Zhongshan Hospital ASRL#3
GC MEDIS Corp.	Boronate Affinity on Cera-Stat 2000 (QDx A1c Analyzer)	Boronate Affinity	Feb '24	HC2333K161, HC2333K162, HC2333K16W	-	-	-	Univ. of Missouri. SRL #12
	Boronate Affinity on Cera-Stat 4000 (Merilyzer Merichcek Analyzer)	Boronate Affinity	Feb '24	HC4333K081, HC4333K082, HC4333K08W	-	-	-	Univ. of Missouri. SRL #12
	Boronate Affinity LabonaCheck A1c HbA1c Analyzer (Model: MH200), A1Card HbA1c Analyzer	Boronate Affinity	Feb '24	HM2363K161, HM2363K162, HM2363K16W	-	-	-	Univ. of Missouri. SRL #12
Nittobo Medical Co., Ltd	N-Assay LA HbA1c Nittobo on TBA-120FR	Immuno- assay	Feb '24	J308A	J308A	0%, 4.9%, 8.5%, 12.0%, 16.1%	-	ReCCS ASRL#1
	N-Assay LA HbA1c Nittobo on BM9130	Immuno- assay	Feb '24	J308A	J308A	0%, 4.9%, 8.5%, 12.0%, 16.1%	-	ReCCS ASRL#1
	N-Assay LA HbA1c Nittobo on H-7180	Immuno- assay	Feb '24	J308A	J308A	0%, 4.9%, 8.5%, 12.0%, 16.1%	-	ReCCS ASRL#1
	N-Assay LA HbA1c Nittobo on TBA c8000	Immuno- assay	Feb '24	J308A	J308A	0%, 4.9%, 8.5%, 12.0%, 16.1%	-	ReCCS ASRL#1
Zhejiang Orient Gene Biotech Co., Ltd.	Immunofluorescence Quantitative Analyzer (OG- G200) also sold by Healgen Scientific Limited Liability Co.	Immuno- assay	Feb '24	YHBA231114 001, HBA2311160 02	-	-	-	Zhongshan Hospital ASRL#3

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Zhejiang Orient Gene Biotech Co., Ltd.	Immunofluorescence Quantitative Analyzer (OG-H180) also sold by Healgen Scientific Limited Liability Co.	Immuno-assay	Feb '24	YHBA231113001, HBA231116001	-	-	-	Zhongshan Hospital ASRL#3
Skyla Corporation Hsinchu Science Park Branch	Immunoassay on Skyla Hi Analyzer also sold as LINX DUO Multiassay Analyzer	Immuno-assay	Feb '24	A1ZH23K92	-	-	-	ReCCS ASRL#1
Shenzhen Lifotronic Technology Co., Ltd	FA-160 Lateral Flow Immunoassay Analyzer	Immuno-assay	Feb '24	HBA2300600	-	-	-	Zhongshan Hospital ASRL#3
	GH-900Plus HbA1c Analyser	Ion-exchange HPLC	Feb '24	HSX2209100	GSX1230430	5.40%, 10.20%	I02FSX23C06875	Zhongshan Hospital ASRL#3
	H6 Hemoglobin Analyzer	Ion-exchange HPLC	Feb '24	GSX1230380	GSX1230010	5.40%, 10.20%	I02FSX23C06879	Zhongshan Hospital ASRL#3
	H8 Hemoglobin Analyzer Also sold by Assel srl as AS8	Ion-exchange HPLC	Feb '24	8SX3230010	8SX3230010	5.40%, 10.10%	I02DSX23C43577	Zhongshan Hospital ASRL#3
	H9 Hemoglobin Analyzer Also sold by Assel srl as AS9	Ion-exchange HPLC	Feb '24	9SX3230010	9SX3230020	5.60%, 10.30%	SX23C43614	Zhongshan Hospital ASRL#3
	H100 Hemoglobin Analyzer	Ion-exchange HPLC	Feb '24	1SXA230070, 1SXB230060, 1SXC230070	1SX1230020	5.51%, 9.81%	I02NSX23B0078	Zhongshan Hospital ASRL#3
	H100Plus Hemoglobin Analyzer	Ion-exchange HPLC	Feb '24	SX1A230030, SX1B230030, SX1C230030	SX11230030	5.38%, 9.88%	I02MSX23C00600	Zhongshan Hospital ASRL#3
	Hb NEXT Hemoglobin Analyzer	Ion-exchange HPLC	Feb '24	HASX230140, HBSX230080, HCSX230020	HNSX230040	5.60%, 10.60%	I02HSX23C02698	Zhongshan Hospital ASRL#3
	Trivitron Healthcare Nano H10	Ion-exchange HPLC	Feb '24	H8SX230560	H8SX230080	5.50%, 10.1%	I02DSX23C43585	Zhongshan Hospital ASRL#3
	Trivitron Healthcare Nano H110	Ion-exchange HPLC	Feb '24	9SX3230110	9SX3230030	5.60%, 10.30%	SX23735069	Zhongshan Hospital ASRL#3
	Trivitron Healthcare Nano H5	Ion-exchange HPLC	Feb '24	GSX1230480	GSX1230033	5.60%, 10.20%	I02FSX23905548	Zhongshan Hospital ASRL#3
MDX Medtek Diagnostics (Netherlands) B.V.	HPLCline 100 Hemoglobin Analyzer	Ion-exchange HPLC	Feb '24	H8SX230680	H8SX230120	5.70%, 10.20%	I02DSX23C43577	Zhongshan Hospital ASRL#3

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Human Gesellschaft für Biochemica und Diagnostica mbH	Ion-exchange HPLC on HumaNex A1c Variant	Ion-exchange HPLC	Feb '24	HA1C23090	HA1C23020	5.60%, 10.00%	I02DSX23C 43539	Zhongshan Hospital ASRL#3
Q-Line Biotech Private Limited	Q-A1c H10 Hemoglobin Analyzer (HPLC)	Ion-exchange HPLC	Feb '24	H8SX230510	H8SX230090	5.50%, 10.10%	I02DSX23C 43585	Zhongshan Hospital ASRL#3
SpeedBio India Private Limited	SpeedBio S8 Analyzer	Ion-exchange HPLC	Feb '24	8SX3230410	8SX3230031	5.70%, 10.20%	I02DSX2353 2956	Zhongshan Hospital ASRL#3
	SpeedBio S9 Analyzer	Ion-exchange HPLC	Feb '24	9SX3230120	9SX3230030	5.60%, 10.00%	SX23735762	Zhongshan Hospital ASRL#3
DxGen Corp.	Boronate affinity on Epithod 616 HbA1c Measuring System (Ep.616, Ep. 616H)	Boronate Affinity	Feb '24	C13K1501R1, C13K1501W1, C13K1501C1	-	-	-	Univ. of Missouri. SRL #9
	Boronate affinity on Epithod HbA1c Measuring System (Ep.414, DX.HbA1c)	Boronate Affinity	Feb '24	C13J1902R1, C13J1902W1, C13J1902C1	-	-	-	Univ. of Missouri. SRL #9
Shenzhen Microprofit Biotech Co., Ltd.	Dry-type immunofluorescence quantitative assay on MF-T1000	Immuno-assay	Jan '24	23008, 23008	20230801, 20230801	6.4%, 9.90%	-	Zhongshan Hospital ASRL#3
Biosystems S.A.	HbA1C on A15 NGSP(%)=0.0915 *IFCC(mmol/mol) +2.15	Immuno-assay	Jan '24	002P	001P	35, 63, 94, 136 mmol/mol	-	European Reference Lab ESRL#17
	HbA1C on A25 NGSP(%)=0.0915 *IFCC(mmol/mol) +2.15	Immuno-assay	Jan '24	002P	001P	35, 63, 94, 136 mmol/mol	-	European Reference Lab ESRL#17
	HbA1C on BA200 NGSP(%)=0.0915 *IFCC(mmol/mol) +2.15	Immuno-assay	Jan '24	54381	001P	31,56,87,121 mmol/mol	-	European Reference Lab ESRL#17
	HbA1C on BA400 NGSP(%)=0.0915 *IFCC(mmol/mol) +2.15	Immuno-assay	Jan '24	54381	001P	31,56,87,121 mmol/mol	-	European Reference Lab ESRL#17
Xiamen Biotime Biotechnology Co., Ltd.	Fluorescence Immunoassay on BIOT-YG-I FIA Analyzer	Immuno-assay	Jan '24	Y2310008	-	-	-	Zhongshan Hospital ASRL#3
	Ion-Exchange chromatography on HLC-100	Ion-exchange HPLC	Jan '24	H22062001	HJ22062001	5.17%, 9.83%	H22062001	Zhongshan Hospital ASRL#3



**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Siemens Healthcare Diagnostics	Dimension A1C on Dimension EXL System	Immuno- assay	Jan '24	GA4219	GA4219	0.09, 0.57, 1.14, 2.02, 2.83 g/dL HbA1c; 13.63, 13.23 g/dL Hb	-	Univ. of Missouri. SRL #9
	Dimension A1C on Dimension RXL System	Immuno- assay	Jan '24	GA4219	GA4219	0.09, 0.57, 1.14, 2.02, 2.83 g/dL HbA1c; 13.63, 13.23 g/dL Hb	-	Univ. of Missouri. SRL #9
	Dimension A1C on Dimension Xpand System	Immuno- assay	Jan '24	GA4219	GA4219	0.09, 0.57, 1.14, 2.02, 2.83 g/dL HbA1c; 13.63, 13.23 g/dL Hb	-	Univ. of Missouri. SRL #9
Wells Bio, Inc.	Boronate Affinity on careSURE Analyzer 100	Boronate Affinity	Jan '24	BHB23F071, BHB23G111	-	-	-	ReCCS ASRL#1
Beckman Coulter Inc.	HbA1c3 Colorimetric DxC 600 Platform %NGSP HbA1c3=(A1c/ Hb)*91.48+2.15 2	Immuno- assay	Jan '24	M211358, M211358, M310597	M211358	0.185, 0.452, 0.838, 1.463, 2.124 g/dL HbA1c; 19.47 g/dL Hb	-	Univ. of Missouri. SRL #9
	HbA1c3 Colorimetric DxC 800 Platform %NGSP HbA1c3=(A1c/ Hb)*91.48+2.15 2	Immuno- assay	Jan '24	M302462, M302462, M309416	M211358	0.185, 0.452, 0.838, 1.463, 2.124 g/dL HbA1c; 19.47 g/dL Hb	-	Univ. of Missouri. SRL #9
	HbA1c Colorimetric DxC 800 Platform %NGSP HbA1c=(A1c/H b)*91.48+2.152	Immuno- assay	Jan '24	M302462, M302462, M309416	M302462	0.152, 0.439, 0.811, 1.515, 2.186 g/dL HbA1c; 19.41 g/dL Hb	-	Univ. of Missouri. SRL #9
	HbA1c Colorimetric DxC 600 Platform %NGSP HbA1c=(A1c/H b)*91.48+2.152	Immuno- assay	Jan '24	M302462, M302462, M309416	M302462	0.152, 0.439, 0.811, 1.515, 2.186 g/dL HbA1c; 19.41 g/dL Hb	-	Univ. of Missouri. SRL #9
EMPECS Medical Device Co., Ltd.	ASUREQUAN Analyzer	Enzymatic	Jan '24	BAIXI05L1A	-	-	-	European Reference Lab ESRL#10
Nihon Kohden Corporation	Celltac Chemi HbA1c N on MEK-1303	Immuno- assay	Jan '24	23039	CEN012	0.0%, 4.3%, 6.7%, 9.4%, 12.6%	-	ReCCS ASRL#1
	Celltac Chemi HbA1c on CHM-4100	Immuno- assay	Jan '24	23041	CEN012	0.0%, 4.4%, 6.7%, 9.5%, 12.7%	-	ReCCS ASRL#1
	Celltac Chemi HbA1c N on CHM-4100	Immuno- assay	Jan '24	23039	CEN012	0.0%, 4.3%, 6.7%, 9.4%, 12.6%	-	ReCCS ASRL#1

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
i-SENS	Enzymatic on AICare	Enzymatic	Jan '24	DJBCAD	-	-	-	ReCCS ASRL#1
TaiDoc Technology Corp.	Immunoassay on TD-4611	Immuno- assay	Jan '24	23F102	111002, 111002	5.60%, 12.30%	-	European Reference Lab ESRL#13
Bio-Rad Laboratories	t VARIANT II Dual (A1c)	Ion- exchange HPLC	Jan '24	64552369, 64552370, 64549500	64558501, 64558502	5.2%, 10.3%	KA00058	Univ. of Missouri. SRL #12
	t VARIANT II Dual (A2/F/A1c)	Ion- exchange HPLC	Jan '24	64552369, 64552370, 64527536	64532260, 64532262	4.9%, 10.7%	KA00058	Univ. of Missouri. SRL #12
	D-10 HbA1c (12000949)	Ion- exchange HPLC	Jan '24	AA30153, AA30154, AA20346	AA30205, AA30206	5.2%, 10.2%	R00345AR	Univ. of Missouri. SRL #12
	D-10 HbA1c	Ion- exchange HPLC	Jan '24	AA30153, AA30154, AA20473	AA30205, AA30206	5.2%, 10.2%	D90234BV	Univ. of Missouri. SRL #12
	D-100 HbA1c	Ion- exchange HPLC	Jan '24	64509018, 64554230, 64565463	64564186, 64564186	6.09%, 8.86%	00054AP	Univ. of Missouri. SRL #12
	D-10 Dual A2/F/A1c	Ion- exchange HPLC	Jan '24	AA30045, AA30046, AA20473	AA30239, AA30238	5.5%, 10.1%	D90234BZ	Univ. of Missouri. SRL #12
	Variant II HbA1c NU	Ion- exchange HPLC	Jan '24	64537116, 64537117, 64537068	64526993, 64526995	5.6%, 10.4%	NU00061G	Univ. of Missouri. SRL #12
	VARIANT II TURBO HbA1c Kit – 2.0 (12000447)	Ion- exchange HPLC	Jan '24	64544802, 64544803, 64554224	64542175, 64542177	5.3%, 10.3%	10256H	Univ. of Missouri. SRL #12
	VARIANT II TURBO HbA1c Kit – 2.0	Ion- exchange HPLC	Jan '24	64544802, 64544803, 64554224	64542175, 64542177	5.3%, 10.3%	10256H	Univ. of Missouri. SRL #12
Hunan Mindray Medical Technology Co., Ltd.	Enzymatic on Beckman Coulter AU5800	Enzymatic	Jan '24	0446230061	0446230061	3.60, 16.2 µmol/L HbA1c; 95.2, 151 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on Hitachi Labospect 008AS	Enzymatic	Jan '24	0446230061	0446230061	3.60, 16.2 µmol/L HbA1c; 95.2, 151 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on Roche Cobas 8000 c701	Enzymatic	Jan '24	0446230061	0446230061	4.06, 16.8 µmol/L HbA1c; 91.4, 147 µmol/L Hb	-	ReCCS ASRL#1
Shenzhen Mindray Bio- Medical Electronics Co., Ltd.	Enzymatic on BS-200E	Enzymatic	Jan '24	044623009	155123006	3.20, 14.7 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-240	Enzymatic	Jan '24	044623009	155123006	3.10, 15.0 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Shenzhen Mindray Bio- Medical Electronics Co., Ltd.	Enzymatic on BS-240Pro	Enzymatic	Jan '24	044623009	155123006	3.10, 15.0 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-360E	Enzymatic	Jan '24	044623009	155123006	3.10, 15.0 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-380	Enzymatic	Jan '24	044623009	155123006	3.20, 14.7 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-400	Enzymatic	Jan '24	044623009	155123006	3.20, 14.7 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-430 & BS- 460	Enzymatic	Jan '24	044623009	155123006	3.10, 15.0 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-480	Enzymatic	Jan '24	044623009	155123006	3.10, 15.0 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-600M	Enzymatic	Jan '24	044623009	155123006	3.10, 14.8 µmol/L HbA1c; 93.7, 154 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-800 & BS- 800M	Enzymatic	Jan '24	044623009	155123006	3.10, 15.0 µmol/L HbA1c; 94.2, 153 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-830	Enzymatic	Jan '24	044623009	155123006	3.30, 15.0 µmol/L HbA1c; 94.2, 154 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-1000M	Enzymatic	Jan '24	044623009	155123006	3.10, 15.1 µmol/L HbA1c; 94.3, 154 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-2000 & BS- 2000M	Enzymatic	Jan '24	044622003	155123006	3.00, 15.2 µmol/L HbA1c; 94.4, 154 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-2800M	Enzymatic	Jan '24	044623009	155123006	3.10, 15.1 µmol/L HbA1c; 94.3, 154 µmol/L Hb	-	ReCCS ASRL#1

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Shenzhen Mindray Bio-Medical Electronics Co., Ltd.	Ion-exchange HPLC on H50 & H50P	Ion-exchange HPLC	Jan '24	2022113001, 2022112901, 2022121901	202302091	4.92%, 11.37%	2E142M	ReCCS ASRL#1
Hunan Yonghe-Sun Biotechnology Co., Ltd.	Ion-exchange HPLC on YH-30	Ion-exchange HPLC	Dec '23	20230830, 20231009	20230925, 20230925	5.20%, 9.50%	20230830, 20231009	Zhongshan Hospital ASRL#3
SG Diagnostics Pte, Ltd	Boronate Affinity on SG HbA1c Analysis System	Boronate Affinity	Dec '23	EAP231008031	-	-	-	Zhongshan Hospital ASRL#3
CareforU.Co.Ltd	CareBuddy Multi/ CareBuddy HbA1c/ HUBI DIA/ HUBI A1c)	Boronate Affinity	Dec '23	CDC123114	-	-	-	ReCCS ASRL#1
Goldsite Diagnostics Inc.	HbA1c on Omlipo	Immuno-assay	Dec '23	0372240425, 0372240425, 0372240425,	20221129	5.70%, 8.70%, 13.30%, 17.20%	-	Zhongshan Hospital ASRL#3
	HbA1c on A1c Go	Boronate Affinity	Dec '23	320003230801	320003230801, 320003230801	5.62%, 8.26%	-	Zhongshan Hospital ASRL#3
	HbA1c on Aristo	Immuno-assay	Dec '23	0372240821, 0372240821, 0372240821	20221129	5.70%, 8.70%, 13.30%, 17.20%	-	Zhongshan Hospital ASRL#3
	HbA1c on GPP-100	Immuno-assay	Dec '23	1072230919, 1072230919, 1072230919	20221129	5.70%, 8.70%, 13.30%, 17.20%	-	Zhongshan Hospital ASRL#3
	HbA1c on GSH-60	Ion-exchange HPLC	Dec '23	9101230726A1, 9101230726A1, 9101230726A1,	20230502A4	5.40%, 10.80%		Zhongshan Hospital ASRL#3
	HbA1c on Nephstar	Immuno-assay	Dec '23	0172230505, 0172230505, 0172230505	20221129	5.70%, 8.70%, 13.30%, 17.20%	-	Zhongshan Hospital ASRL#3
Ailex Technology Group Co., Ltd.	Ion-exchange HPLC on AH-600	Ion-exchange HPLC	Dec '23	211004AC1, 211104AC2, 220101YY3, 20220105	ZS1001, ZS1001	5.77%, 10.69%	2201C-0240	Zhongshan Hospital ASRL#3
Lansion Biotechnology Co., Ltd.	Fluorescence Immunoassay on LS-2100	Immuno-assay	Dec '23	0422328	-	-	-	Zhongshan Hospital ASRL#3
Roche Diagnostics International Ltd	Cobas HbA1c Test on cobas b 101	Immuno-assay	Dec '23	331041-01	-	-	-	Univ. of Missouri. SRL #9
Roche Diagnostics	TQ HbA1c Gen. 3 on cobas c311 HbA1c/Hb*91.5 +2.15	Immuno-assay	Dec '23	718516, 735347, 731654	671824	0.126, 0.324, 0.642, 0.895, 1.223, 1.747 mmol/L HbA1c; 1.396, 7.528 mmol/L Hb	-	European Reference Lab ESRL#13
	TQ HbA1c Gen. 3 Whole Blood on cobas c303 HbA1c/Hb*91.5 +2.15	Immuno-assay	Dec '23	708820, 699282, 704618	559759	0.156, 0.361, 0.688, 0.942, 1.294, 1.830 mmol/L HbA1c; 1.48, 7.97 mmol/L Hb	-	European Reference Lab ESRL#13
	TQ HbA1c Gen. 3 Hemolysate on cobas c303 HbA1c/Hb*91.5 +2.15	Immuno-assay	Dec '23	708820, 699282, 704618	559759	0.154, 0.353, 0.673, 0.921, 1.264, 1.786 mmol/L HbA1c; 1.48, 7.97 mmol/L Hb	-	European Reference Lab ESRL#13

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Roche Diagnostics	TQ HbA1c Gen. 3 Whole Blood on Cobas c111 HbA1c/Hb*91.5 +2.15	Immuno- assay	Dec '23	733026, 725688	671824	0.01576, 0.01049, 0.00749, 0.00524, 0.002262, 0.00105 mmol/L HbA1c; 0.07528, 0.05019, 0.03585, 0.02509, 0.01255, 0.00502 mmol/L Hb	-	European Reference Lab ESRL#13
QuidelOrtho	A1C1 on Vitros 4600	Enzymatic	Nov '23	3092	3363	3.92%, 6.23%, 11.98%	-	Univ. of Missouri. SRL #12
	A1C1 on Vitros XT 3400	Enzymatic	Nov '23	3092	3363	3.88%, 6.32%, 12.16%	-	Univ. of Missouri. SRL #12
	A1C1 on Vitros 5600	Enzymatic	Nov '23	3092	3363	3.92%, 6.23%, 11.98%	-	Univ. of Missouri. SRL #12
	A1C1 on Vitros XT 7600	Enzymatic	Nov '23	3092	3363	3.88%, 6.32%, 12.16%	-	Univ. of Missouri. SRL #12
Erba Lachema s.r.o.	ERBA Hb- Vario/Hb-820	Ion- exchange HPLC	Nov '23	B072343, B072343, B072343	B072343L1, B072343L2	5.65%, 12.10%	B072343	Univ. of Missouri. SRL #9
Getein Biotech, Inc.	Immunofluoresc ence Assay on Getein 1100	Immuno- assay	Nov '23	YBC230132	-	-	-	Zhongshan Hospital ASRL#3
	Immunofluoresc ence Assay on Getein 1600	Immuno- assay	Nov '23	P009230089	-	-	-	Zhongshan Hospital ASRL#3
	Immunofluoresc ence Assay on Getein 1180	Immuno- assay	Nov '23	A019230040	-	-	-	Zhongshan Hospital ASRL#3
	Colloidal Gold on FIA8600/8000	Immuno- assay	Nov '23	6BC232003	-	-	-	Zhongshan Hospital ASRL#3
	Immunofluoresc ence Assay on Getein 208	Immuno- assay	Nov '23	EBC230001	-	-	-	Zhongshan Hospital ASRL#3
	Immunofluoresc ence Assay on Getein 1160	Immuno- assay	Nov '23	A019230033	-	-	-	Zhongshan Hospital ASRL#3
Getein Biotech, Inc.	Immunofluoresc ence Assay on Getein 1200	Immuno- assay	Nov '23	G009230003	-	-	-	Zhongshan Hospital ASRL#3
	Chemiluminesce nce Assay on MAGICL6000	Immuno- assay	Nov '23	SBC23006	-	-	-	Zhongshan Hospital ASRL#3
ACON Laboratories, Inc. and Acon Biotech (Hangzhou) Co., Ltd.	On Call MultiPro System— HbA1c	Immuno- assay	Nov '23	OGHB30300 01	-	-	-	Zhongshan Hospital ASRL#3
	On Call A1c	Immuno- assay	Nov '23	gHb3090002	-	-	-	Zhongshan Hospital ASRL#3
	FIAflex HbA1c FIA Test	Immuno- assay	Nov '23	FHB209000 2	-	-	-	Zhongshan Hospital ASRL#3
Changsha Sinocare Inc.	HbA1c Monitoring System on PCH- 50	Immuno- assay	Nov '23	32K0815	-	-	-	Zhongshan Hospital ASRL#3

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Changsha Sinocare Inc.	HbA1c Monitoring System on iCARE-1000	Immuno- assay	Nov '23	31P0831	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c Monitoring System on iCARE-2100	Immuno- assay	Nov '23	31P0831	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c Monitoring System on iCARE-2200	Immuno- assay	Nov '23	31P0831	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c Monitoring System on A1CNow+	Immuno- assay	Nov '23	3072202	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c Monitoring System on A1CNow Self Check	Immuno- assay	Nov '23	2040601	-	-	-	Zhongshan Hospital ASRL#3
OSANG Healthcare Co., Ltd.	Frontier and HemoCue HbA1c 501	Boronate Affinity	Nov '23	F23G14G24 DL	-	-	-	Univ. of Missouri. SRL #9
	Clover A1c Plus	Boronate Affinity	Nov '23	B23H30I06 DL	-	-	-	Univ. of Missouri. SRL #9
	Clover A1c, Clover A1c Self and Checkart	Boronate Affinity	Nov '23	A23H17H31 EL	-	-	-	Univ. of Missouri. SRL #9
	Cover A1c Expert	Boronate Affinity	Nov '23	E23F08G03 DP	-	-	-	Univ. of Missouri. SRL #9
PWN Laboratory	B00389 HbA1c on AU680 with red blood cell- serum strip- based cassettes	Immuno- assay	Oct '23	M306428, 1060	1060	0.211, 0.443, 0.821, 1.427, 2.058 g/dL HbA1c; 13.2g/dL Hb	-	Univ. of Missouri. SRL #9
Beckman Coulter Ireland Inc.	HbA1c B00389 Manual Application on AU480	Immuno- assay	Oct '23	1062, M304690	1062	0.105, 0.277, 0.512, 0.976, 1.43 mmol/L HbA1c; 9.26 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c B00389 Manual Application on AU680	Immuno- assay	Oct '23	1062, M304690	1062	0.105, 0.277, 0.512, 0.976, 1.43 mmol/L HbA1c; 9.26 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c B00389 Manual Application on AU5800	Immuno- assay	Oct '23	1062, M304690	1062	0.105, 0.277, 0.512, 0.976, 1.43 mmol/L HbA1c; 9.26 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c B00389 Manual Application on DXC700 AU	Immuno- assay	Oct '23	1062, M304690	1062	0.105, 0.277, 0.512, 0.976, 1.43 mmol/L HbA1c; 9.26 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c Advanced B93009 Online Application on DxC700 AU	Immuno- assay	Oct '23	1062	1062	0.095, 0.279, 0.528, 1.017, 1.448 mmol/L HbA1c; 9.26 mmol/L Hb	-	European Reference Lab ESRL #13

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Guangzhou Decheng Biotechnology Co., Ltd	Immunofluore- scence Analyzer EASY-11	Immuno- assay	Oct '23	525230701	-	-	-	Zhongshan Hospital ASRL#3
	Immunofluore- scence Analyzer CHF200	Immuno- assay	Oct '23	525230701	-	-	-	Zhongshan Hospital ASRL#3
Furuno Electric Co., Ltd.	Centronic HbA1c turbidimetric immunoassay on CA-800	Immuno- assay	Oct '23	HF04231F2- 306, HF04231F2- 306, HF04231CL Y-303	211502	0%, 5.7%, 8.3%, 11.5%, 15.5 %	-	ReCCS ASRL#1
JEOL Ltd.	BM Test HbA1c on JCA- BM6010/C	Enzymatic	Oct '23	901RBU, 901RGU, 867RDU	939RCU, 939RCU	2.93, 15.15.25 µmol/L HbA1c; 97.7, 148.0 µmol/L Hb	-	ReCCS ASRL#1
HORIBA Medical	Spotchem Banalyst HbA1c on SI-3620	Immuno- assay	Oct '23	2332JW405B	WC0071	0.0, 24.2, 50.9, 83.0, 124.5 mmol/mol	-	ReCCS ASRL#1
	Banalyst Ace HbA1c on Banalyst Ace	Immuno- assay	Oct '23	2332JW405B	WC0071	0.0, 24.2, 50.9, 83.0, 124.5 mmol/mol	-	ReCCS ASRL#1
	Spotchem Banalyst HbA1c on SI-3610	Immuno- assay	Oct '23	2332JW405B	WC0071	0.0, 24.2, 50.9, 83.0, 124.5 mmol/mol	-	ReCCS ASRL#1
	Banalyst HbA1c on Yumizen M100 Banalyst	Immuno- assay	Oct '23	2332JW405B	WC0071	0.0, 24.2, 50.9, 83.0, 124.5 mmol/mol	-	ReCCS ASRL#1
Apex Biotechnology Corp.	Immunoagglutin- ation on Eclipse A1c	Immuno- assay	Oct '23	530501	-	-	-	ReCCS ASRL#1
	Immunoagglutin- ation on Eclipse PLUS	Immuno- assay	Oct '23	AS3032	-	-	-	ReCCS ASRL#1
EKF Diagnostics GmbH	<sup>t</sup> Boronate- Affinity Quo- Test HbA1C	Boronate affinity	Sept '23	020773	-	-	-	European Reference Lab ESRL #11
	<sup>t</sup> Boronate- Affinity Quo- Lab HbA1C	Boronate affinity	Sept '23	026278	-	-	-	European Reference Lab ESRL #11
Human Gesellschaft fuer Biochemica und Diagnostica mbH	<sup>t</sup> Boronate- Affinity HumaMeter HbA1c	Boronate affinity	Sept '23	026285	-	-	-	European Reference Lab ESRL #11
Agappe Diagnostics Ltd.	<sup>t</sup> Nephelometry on Specific Protein Analyzer Mispa i2	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>t</sup> Nephelometry on cartridge based Specific Protein Analyzer Mispa i3	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>t</sup> AgA1c (Immunoturbi- dometric method) on TMS 30i	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Agappe Diagnostics Ltd.	<sup>1</sup> AgA1c (Immunoturbidi metric method) on TBA-120FR	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on TBA-25FR	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa Plus	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa CCXL	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	6.40%, 9.20%, 14.70%, 17.20%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa CX4	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa CXL Pro Plus	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	6.00%, 9.40%, 14.70%, 17.20%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa CXL Pro	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	6.00%, 9.40%, 14.70%, 17.20%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa Clinia Plus	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa Clinia	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on BS 390	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa Nano	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa Nano Plus	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	<sup>1</sup> AgA1c (Immunoturbidi metric method) on Mispa Acc	Immuno- assay	Sept '23	42305010, 42305011, 12307067	42100133, 42100134, 42100135, 42100136,	6.30%, 9.70%, 14.20%, 17.00%	-	European Reference Lab ESRL#10
LLP "Aksel&A"	Shyrai A1c	Enzymatic	Sept '23	030423	-	-	-	ReCCS ASRL#1



**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Minaris Medical Co., Ltd.	MetaboLead HbA1c on DM-JACK	Immuno-assay	Sept '23	555ACC, 555ACC	508ACC	2.48, 9.84µmol/L HbA1c; 83.9, 121.4 µmol/L Hb	-	ReCCS ASRL#1
	MetaboLead HbA1c on JCA-BM9130	Immuno-assay	Sept '23	555ACC, 555ACC	508ACC	2.48, 9.84µmol/L HbA1c; 83.9, 121.4 µmol/L Hb	-	ReCCS ASRL#1
	MetaboLead HbA1c on TBA-120FR	Immuno-assay	Sept '23	555ACC, 555ACC	508ACC	2.48, 9.84µmol/L HbA1c; 83.9, 121.4 µmol/L Hb	-	ReCCS ASRL#1
	MetaboLead HbA1c on Hitachi 7180	Immuno-assay	Sept '23	555ACC, 555ACC	508ACC	2.48, 9.84µmol/L HbA1c; 83.9, 121.4 µmol/L Hb	-	ReCCS ASRL#1
	MetaboLead HbA1c on LABOSPECT 006	Immuno-assay	Sept '23	555ACC, 555ACC	508ACC	2.48, 9.84µmol/L HbA1c; 83.9, 121.4 µmol/L Hb	-	ReCCS ASRL#1
Guangdong Wesail Biotech Co., Ltd.	HbA1c on WS-Si1000	Immuno-assay	Sept '23	AA0042307 009	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c on WS-Si1500	Immuno-assay	Sept '23	AA0042307 009	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c on WS-Mi6000	Immuno-assay	Sept '23	AA0042307 009	-	-	-	Zhongshan Hospital ASRL#3
Qurasense Inc.	Qvin A1c Q-Pad Test System on AU480	Immuno-assay	Sept '23	1059D, M307448	1059	0.00, 0.13, 0.45, 0.84, 1.48, 2.27 g/dL HbA1c; 0.00, 14.50 g/dL Hb	-	Univ. of Missouri. SRL #9
Beckman Coulter Ireland Inc.	HbA1c Advanced (B93009)	Immune-assay	Aug '23	1062	1062	0.090, 0.283, 0.539, 1.011, 1.478 mmol/L HbA1c; 0, 9.26 mmol/L Hb	-	Univ. of Missouri. SRL #9
VivaChek Biotech (Hangzhou) Co.	Fluorescence Immunoassay on VIM3000	Immune-assay	Aug '23	SE2305062	-	-	-	Zhongshan Hospital ASRL#3
	Fluorescence Immunoassay on VIM1000M6	Immune-assay	Aug '23	SE2305061	-	-	-	Zhongshan Hospital ASRL#3
	Fluorescence Immunoassay on VIM1000 FIA	Immune-assay	Aug '23	SE2305060	-	-	-	Zhongshan Hospital ASRL#3
Shijiazhuang Hipro Biotechnology Co., Ltd	Nephelometry on HP-AFS/1	Immuno-assay	Aug '23	FA230602	S03522-1	0.0%,2.4%, 4.8%, 8.5%, 12.2%15.6%	-	Zhongshan Hospital ASRL#3

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Human Gesellschaft fuer Biochemica und Diagnostica mbH	HumanNex A1c	Ion- exchange HPLC	Aug '23	230511, 230511, 230511,	20221107, 20221107	6.15%, 10.80%	230511	Univ. of Missouri. SRL #9
Shanghai Medconn Medical Technology Co. Ltd (China)	HPLC on MQ- 2000PT	Ion- exchange HPLC	Aug '23	PTHbA1c23 0220J, PTHbA1c23 0220J, PTHbA1c23 0220J	20230207, 20230207	5.83%, 10.90%	PTHbA1c23 0220J	Univ. of Missouri. SRL #9
	HPLC on MQ- 3000	Ion- exchange HPLC	Aug '23	3K20230530I, 3K20230530I, 3K20230530I, 3K20230530I, 20230530I,	20230525, 20230525	5.35%, 10.25%	DZ20230530 I	Univ. of Missouri. SRL #9
	HPLC on MQ- 3000PT	Ion- exchange HPLC	Aug '23	3K20230530I, 3K20230530I, 3K20230530I, 3K20230530I, 20230530I,	20230525, 20230525	5.35%, 10.25%	DZ20230530 I	Univ. of Missouri. SRL #9
	HPLC on MQ- 6000	Ion- exchange HPLC	Aug '23	20230515W, 20230515W, 20230515W, 20230515W	20230207, 20230207	5.42%, 10.56%	6K20230515 W	Univ. of Missouri. SRL #9
	HPLC on MQ- 8000	Ion- exchange HPLC	Aug '23	6KV202305 08U, 6KV202305 08U, 6KV202305 08U, 20230508U,	20230207, 20230207	5.62%, 10.66%	6K20230508 U	Univ. of Missouri. SRL #9
	HPLC on MQ- 8000PT	Ion- exchange HPLC	Aug '23	6KV202305 08U, 6KV202305 08U, 6KV202305 08U, 20230508U,	20230207, 20230207	5.62%, 10.66%	6K20230508 U	Univ. of Missouri. SRL #9
Boditech Med Inc.	Immuno-assay on AFIAS-1 Neo Cartridge	Immuno- assay	July '23	AATCA36X	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on AFIAS-3 Neo Cartridge	Immuno- assay	July '23	AATCA36X	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on AFIAS-6 Neo Cartridge	Immuno- assay	July '23	AATCA36X	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on AFIAS-10 Neo Cartridge	Immuno- assay	July '23	AATCA36X	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma II Neo Cartridge	Immuno- assay	July '23	AATCG12EX	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma III Neo Cartridge	Immuno- assay	July '23	AATCG12EX	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma -50 PLUS Neo Cartridge	Immuno- assay	July '23	AATCG12EX	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Boditech Med Inc.	Immuno-assay on ichroma M3 Neo Cartridge	Immuno- assay	July '23	AATCG12EX	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma Reader Neo Cartridge	Immuno- assay	July '23	AATCG12EX	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on QDx Instacheck Neo Cartridge	Immuno- assay	July '23	AATCG12EX	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on EZ POC Neo Cartridge	Immuno- assay	July '23	AATCG12EX	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on AFIAS-1	Immuno- assay	July '23	AATCC17F	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on AFIAS-3	Immuno- assay	July '23	AATCC17F	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on AFIAS-6	Immuno- assay	July '23	AATCC17F	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on AFIAS-10	Immuno- assay	July '23	AATCC17F	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on EZ POC	Immuno- assay	July '23	AATCF10	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma II	Immuno- assay	July '23	AATCF10	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma III	Immuno- assay	July '23	AATCF10	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma M3	Immuno- assay	July '23	AATCF10	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma Reader	Immuno- assay	July '23	AATCF10	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on ichroma -50 PLUS	Immuno- assay	July '23	AATCF10	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
	Immuno-assay on QDx Instacheck	Immuno- assay	July '23	AATCF10	111001B	5.2%, 8.0%, 10.4%, 12.4%	-	ReCCS ASRL#1
Instrumentation Laboratory	HbA1c Enzymatic (Manual pretreatment) on Ilab Taurus (%NGSP=HbA1c/T Hb*91.48+2.152)	Enzymatic	July '23	I0223079	10423138, 10423138	2.93, 15.76 µmol/L HbA1c; 99.2, 150.4 µmol/L Hb	-	European Reference Lab ESRL#16
	HbA1c Enzymatic (Manual pretreatment) on Ilab Aries (%NGSP=HbA1c/T Hb*91.48+2.152)	Enzymatic	July '23	I0223079	10423138, 10423138	2.93, 15.76 µmol/L HbA1c; 99.2, 150.4 µmol/L Hb	-	European Reference Lab ESRL#16
	HbA1c Enzymatic (Automatic pretreatment) on Ilab Taurus (%NGSP=HbA1c/T Hb*91.48+2.152)	Enzymatic	July '23	I0223079	10423138, 10423138	2.93, 15.76 µmol/L HbA1c; 99.2, 150.4 µmol/L Hb	-	European Reference Lab ESRL#16

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

<b>Manufacturer</b>	<b>Method/ Instrument</b>	<b>Method Type</b>	<b>Date Certified</b>	<b>Reagent Lot</b>	<b>Calibrator Lot</b>	<b>Calibrator Assigned Value</b>	<b>Column Lot</b>	<b>Secondary Reference Laboratory</b>
GC Medical Science' Corp.	Boronate Affinity on Greencare A1c	Boronate Affinity	July '23	R13E081	-	-	-	Univ. of Missouri. SRL #9
	Boronate Affinity on Arkray Pocket Chem A1c Advanced	Boronate Affinity	July '23	R13E081	-	-	-	Univ. of Missouri. SRL #9
	Boronate Affinity on Diasys India QDx A1c Advance	Boronate Affinity	July '23	R13E081	-	-	-	Univ. of Missouri. SRL #9
	Boronate Affinity on Medisys Hemo G Smart Analyzer	Boronate Affinity	July '23	R13E081	-	-	-	Univ. of Missouri. SRL #9
	Boronate Affinity on DiaSys respons A1c	Boronate Affinity	July '23	R13E081	-	-	-	Univ. of Missouri. SRL #9
Shenzhen Zijian Biotechnology Co., Ltd.	Fluorescence Immunoassay	Immunoassay	July '23	20230501	20230501	3.8%, 6.2%, 8.1%, 11.3%, 14.5%	-	Zhongshan Hospital ASRL#3
Wuxi Biohermes Bio & Medical Technology Co., Ltd.	Boronate Affinity on A1C EZ 2.0 Glycohemoglobin Analysis System	Boronate Affinity	July '23	EAP23050801	-	-	-	Zhongshan Hospital ASRL#3
	Boronate Affinity on A1cChek Express Glycohemoglobin Analysis System	Boronate Affinity	July '23	EAZ23030601	-	-	-	Zhongshan Hospital ASRL#3
	Boronate Affinity on A1cChek Pro Glycohemoglobin Analysis System	Boronate Affinity	July '23	CAV23051001	-	-	-	Zhongshan Hospital ASRL#3
	Ion-exchange HPLC on BH60 Automatic Glycohemoglobin Analysis System	Ion-exchange HPLC	July '23	CHI23042401AJ	CHW23041601	4.91%, 10.37%	CHD23420016AJ	Zhongshan Hospital ASRL#3
	Boronate Affinity on GluCoA1c Blood Glucose and Glycohemoglobin Analysis System	Boronate Affinity	July '23	EAG23052414	-	-	-	Zhongshan Hospital ASRL#3

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Horiba Medical	Pointe Hemoglobin A1c – HbA1c% - ABX Pentra 400 Y=(1.183X)- 0.75	Immuno- assay	June '23	231101	211501	5.4%, 8.4%, 12.2%, 15.6%	-	European Reference Lab ESRL #13
	Pointe Hemoglobin A1c – HbA1c% - Pentra C400 Y=(1.114X)- 0.38	Immuno- assay	June '23	231101	211501	5.4%, 8.4%, 12.2%, 15.6%	-	European Reference Lab ESRL #13
	Pointe Hemoglobin A1c – HbA1c%H - ABX Pentra 400 Y=(1.274X)- 1.16	Immuno- assay	June '23	231101	211501	5.4%, 8.4%, 12.2%, 15.6%	-	European Reference Lab ESRL #13
	Pointe Hemoglobin A1c – HbA1c%H - Pentra C400 Y=(1.246X)- 1.04	Immuno- assay	June '23	231101	211501	5.4%, 8.4%, 12.2%, 15.6%	-	European Reference Lab ESRL #13
Sebia	Capillarys HbA1c on Capillarys 2 Flex Piercing %NGSP=0.0914 8 x [IFCC] (mmol/mol) + 2.152	Capillary Electro- phoresis	June '23	04102/01, 13092/01, 23081/01	08042/01, 11042/01	36.0, 84.8 mmol/mol	-	European Reference Lab ESRL#10
	Minicap HbA1c on Minicap Flex-Piercing %NGSP=0.0914 8 x [IFCC] (mmol/mol) + 2.152	Capillary Electro- phoresis	June '23	21112/01, 24111/01, 15071/01	08042/01, 11042/01	36.0, 84.8 mmol/mol	-	European Reference Lab ESRL#10
	CAPI 3 HbA1c on Capillarys 3 %NGSP=0.0914 8 x [IFCC] (mmol/mol) + 2.152	Capillary Electro- phoresis	June '23	11102/01, 08031/01, 13042/01	15041/01, 16041/01	36.5, 87.1 mmol/mol	-	European Reference Lab ESRL#10
QuidelOrtho	%A1c on Vitros 5,1 FS	Immuno- assay	June '23	1487	3182	0.186, 0.905, 1.759, 3.996 g/dL HbA1c; (-0.4), 3.334, 7.713, 16.555 g/dL Hb	-	Univ. of Missouri. SRL #9
	%A1c on Vitros 4600	Immuno- assay	June '23	1487	3182	0.187, 0.883, 1.772, 3.908 g/dL HbA1c; (-0.4), 3.334, 7.713, 16.555 g/dL Hb	-	Univ. of Missouri. SRL #9

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
QuidelOrtho	%A1c on Vitros 5600	Immuno- assay	June '23	1487	3182	0.187, 0.883, 1.772, 3.908 g/dL HbA1c; (-0.4), 3.334, 7.713, 16.555 g/dL Hb	-	Univ. of Missouri. SRL #9
	%A1c on Vitros 7600	Immuno- assay	June '23	1487	3182	0.187, 0.883, 1.772, 3.908 g/dL HbA1c; (-0.4), 3.334, 7.713, 16.555 g/dL Hb	-	Univ. of Missouri. SRL #9
Roche Diagnostics GmbH	TQ HbA1c Gen. 3 on cobas c 501 / c 502 (HbA1c/Hb*91. 5+2.15)	Immuno- assay	June '23	708797, 700703, 657562	559759	0.131, 0.337, 0.668, 0.931, 1.273, 1.818 mmol/L HbA1c; 1.38, 7.42 mmol/L Hb	-	European Reference Lab ESRL #13
	TQ HbA1c Gen. 3 Hemolysate on cobas c503 (HbA1c/Hb*91. 5+2.15)	Immuno- assay	June '23	665203, 699282, 704618, 700231	559759	0.146, 0.334, 0.633, 0.867, 1.189, 1.680 mmol/L HbA1c; 1.45, 7.78 mmol/L Hb	-	European Reference Lab ESRL #13
	TQ HbA1c Gen. 3 whole blood on cobas c503 (HbA1c/Hb*91. 5+2.15)	Immuno- assay	June '23	665203, 699282, 704618, 700231	559759	0.150, 0.340, 0.644, 0.881, 1.208, 1.706 mmol/L HbA1c; 1.45, 7.78 mmol/L Hb	-	European Reference Lab ESRL #13
	TQ HbA1c Gen. 3 whole blood on cobas c513 (HbA1c/Hb*91. 5+2.15)	Immuno- assay	June '23	672510, 700231, 705266	55975901	0.150, 0.343, 0.651, 0.891, 1.222, 1.727 mmol/L HbA1c; 1.45, 7.78 mmol/L Hb	-	European Reference Lab ESRL #13
	TQ HbA1c Gen. 3 hemolysate on cobas c513 (HbA1c/Hb*91. 5+2.15)	Immuno- assay	June '23	672510, 700231, 705266	559759	0.149, 0.339, 0.641, 0.876, 1.201, 1.697 mmol/L HbA1c; 1.45, 7.78 mmol/L Hb	-	European Reference Lab ESRL #13
Tosoh Corporation	<sup>1</sup> G8 1.0 min Standard Analysis Mode HLC-723G8	Ion- exchange HPLC	June '23	R8-105H, R8-20201H, 8-303G, HW-33H	ZS2002	5.84%, 10.94%	R	Univ. of Missouri. SRL #9
	<sup>1</sup> G9 HbA1c, HLC-723G9, Ver. 1.13	Ion- exchange HPLC	June '23	E9-102H, E9-201G, 9- 302H, HW- 44H	JS2001	5.91%, 10.91%	E	Univ. of Missouri. SRL #9
	G8 HbA1c Variant Analysis Mode Ver. 5.24F (1.6 min), HLC-723G8	Ion- exchange HPLC	June '23	S8-106H, S8-208H, S8-305H, HW-44H	ZS2002	5.84%, 10.94%	S	Univ. of Missouri. SRL #9

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Tosoh Corporation	G8 HbA1c Variant Analysis Mode (1.6 min), HLC-723G8	Ion- exchange HPLC	June '23	S8-106H, S8-208H, S8-305H, HW-44H	ZS2002	5.84%, 10.94%	S	Univ. of Missouri. SRL #9
	G8 HbA1c Variant Analysis Mode Ver.5.29 (1.6 min), HLC- 723G8	Ion- exchange HPLC	June '23	S8-106H, S8-208H, S8-305H, HW-33H	ZS2002	5.84%, 10.94%	S	Univ. of Missouri. SRL #9
	<sup>1</sup> GX, Ver.1.24 HLC-723GX	Ion- exchange HPLC	June '23	CX-101H, CX-201H, CX-301H, HW-13H	ZS2002	5.84%, 10.94%	C	Univ. of Missouri. SRL #9
	<sup>1</sup> G11, Standard Analysis Mode Ver.3.09 (0.5 min), HLC- 723G11	Ion- exchange HPLC	June '23	N1-110H, N1-201H, 1- 303H, HW- 44H	ZS2002	5.84%, 10.94%	N	Univ. of Missouri. SRL #9
	<sup>1</sup> G11, Variant Analysis Mode Ver.3.09 (1.0 min), HLC- 723G11	Ion- exchange HPLC	June '23	P1-101H, P1-201H, P1-301H, HW-44H	ZS2002	5.84%, 10.94%	P	Univ. of Missouri. SRL #9
	<sup>1</sup> G11, Variant Analysis Mode Ver.3.07 (1.0 min), HLC- 723G11	Ion- exchange HPLC	June '23	P1-101H, P1-201H, P1-301H, HW-44H	ZS2002	5.84%, 10.94%	P	Univ. of Missouri. SRL #9
	<sup>1</sup> GR01, Standard Short Mode Ver1.03, HLC-723GR01	Ion- exchange HPLC	June '23	AR-101H, AR-201H, R301H, HW-44H	JS2001	5.91%, 10.91%	A	Univ. of Missouri. SRL #9
	<sup>1</sup> GR01, Standard Long Mode Ver1.03, HLC-723GR01	Ion- exchange HPLC	June '23	AR-101H, AR-201H, R301H, HW-44H	JS2001	5.91%, 10.91%	A	Univ. of Missouri. SRL #9
Siemens Healthcare Diagnostics	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Advia 1800	Enzymatic	June '23	310, 310, 310, 310	2ES002, 2ES002	3.50, 15.68 µmol/L HbA1c; 101.6, 157.8 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Advia 2400	Enzymatic	June '23	310, 310, 310, 310	2ES002, 2ES002	3.50, 15.68 µmol/L HbA1c; 101.6, 157.8 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Advia XPT	Enzymatic	June '23	310, 310, 310, 310	2ES002, 2ES002	3.50, 15.68 µmol/L HbA1c; 101.6, 157.8 µmol/L Hb	-	Univ. of Missouri. SRL #9

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Siemens Healthcare Diagnostics	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Atellica CH 930	Enzymatic	June '23	130134, 130134, 130134, 130134	2MS005, 2MS005	3.01, 15.27 µmol/L HbA1c; 102.9, 159.0 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Atellica CI 1900	Enzymatic	June '23	130134, 130134, 130134, 130134	2MS005, 2MS005	3.01, 15.27 µmol/L HbA1c; 102.9, 159.0 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_EM) – Manual Pretreatment on Advia 1800	Enzymatic	June '23	310, 310, 310, 310	2ES002, 2ES002	3.50, 15.68 µmol/L HbA1c; 101.6, 157.8 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_EM) – Manual Pretreatment on Advia 2400	Enzymatic	June '23	310, 310, 310, 310	2ES002, 2ES002	3.50, 15.68 µmol/L HbA1c; 101.6, 157.8 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_EM) – Manual Pretreatment on Advia XPT	Enzymatic	June '23	310, 310, 310, 310	2ES002, 2ES002	3.50, 15.68 µmol/L HbA1c; 101.6, 157.8 µmol/L Hb	-	Univ. of Missouri. SRL #9
Nova Biomedical	Allegro, Immunoassay	Immuno- assay	May '23	22068024	-	-	-	Univ. of Missouri SRL#9
Wiener Laboratorios S.A.I.C.	HbA1c v.2 Turbitest AA on CMD 800i 91.5*HbA1c/Hb+ 2.15	Immuno- assay	May '23	526130, 526170, 526200, 521300	530940	2.708 g/dL HbA1c; 13.82 g/dL Hb	-	Univ. of Missouri SRL#9
	HbA1c v.2 Turbitest AA on CM 250 91.5*HbA1c/Hb+ 2.15	Immuno- assay	May '23	526130, 526170, 526200, 521300	530940	2.708 g/dL HbA1c; 13.82 g/dL Hb	-	Univ. of Missouri SRL#9
	HbA1c v.2 Turbitest AA on CT 600i 91.5*HbA1c/Hb+ 2.15	Immuno- assay	May '23	526130, 526170, 526200, 530940	530940	2.708 g/dL HbA1c; 14.23 g/dL Hb	-	Univ. of Missouri SRL#9
	HbA1c v.2 Turbitest AA on CB 350i 91.5*HbA1c/Hb+ 2.15	Immuno- assay	May '23	526130, 526170, 526200, 521300	530940	2.708 g/dL HbA1c; 13.82 g/dL Hb	-	Univ. of Missouri SRL#9



**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Sakae Corporation	MEDIDAS HbA1c on A1c GEAR	Immuno-assay	May '23	452211	22E23	4.6%, 6.9%, 10.1%, 13.8%	-	ReCCS ASRL#1
	MEDIDAS HbA1c on A1c iGear	Immuno-assay	May '23	452211	22E23	4.6%, 6.9%, 10.1%, 13.8%	-	ReCCS ASRL#1
	MEDIDAS HbA1c on A1c iGear Quick	Immuno-assay	May '23	452211	22E23	4.6%, 6.9%, 10.1%, 13.8%	-	ReCCS ASRL#1
	MEDIDAS HbA1c on A1c iGear Pro	Immuno-assay	May '23	452211	22E23	4.6%, 6.9%, 10.1%, 13.8%	-	ReCCS ASRL#1
Abbott Diagnostics	HbA1c (Hemolysate) on Architect c8000 %NGSP=HbA1c/Hb*91.48+2.152	Enzymatic	May '23	63063UQ10, 63063UQ10, 63063UQ10	62039UQ05, 62039UQ05	5.31%, 11.45%	-	Univ. of Missouri. SRL #9
	HbA1c (Hemolysate) on Architect c4000 %NGSP=HbA1c/Hb*91.48+2.152	Enzymatic	May '23	63063UQ10, 63063UQ10, 63063UQ10	62039UQ05, 62039UQ05	5.31%, 11.45%	-	Univ. of Missouri. SRL #9
	HbA1c (Whole Blood) on Architect c4000 %NGSP=HbA1c/Hb*91.48+2.152	Enzymatic	May '23	63063UQ10, 63063UQ10, 63063UQ10	62039UQ05, 62039UQ05	5.31%, 11.45%	-	Univ. of Missouri. SRL #9
	HbA1c (Whole Blood) on Architect c8000 %NGSP=HbA1c/Hb*91.48+2.152	Enzymatic	May '23	63063UQ10, 63063UQ10, 63063UQ10	62039UQ05, 62039UQ05	5.31%, 11.45%	-	Univ. of Missouri. SRL #9
	HbA1c (Hemolysate) on Alinity c %NGSP=HbA1c/Hb*91.48+2.152	Enzymatic	May '23	63063UQ10, 63063UQ10, 63063UQ10	62039UQ05, 62039UQ05	5.31%, 11.45%	-	Univ. of Missouri. SRL #9
	HbA1c (Whole Blood) on Alinity c analyzer %NGSP=HbA1c/Hb*91.48+2.152	Enzymatic	May '23	63063UQ10, 63063UQ10, 63063UQ10	62039UQ05, 62039UQ05	5.31%, 11.45%	-	Univ. of Missouri. SRL #9
Shenzhen New Industries Biomedical Engineering Co., Ltd (SNIBE)	Immunoassay on Biolumi CX8	Immuno-assay	May '23	551220102, 551220102, 551220102,	551220102	0.00%, 5.18%, 8.55%, 12.61%, 16.60%	-	Zhongshan Hospital ASRL#3
	Immunoassay on Biossays C8	Immuno-assay	May '23	551220102, 551220102, 551220102,	551220102	0.00%, 5.18%, 8.55%, 12.61%, 16.60%	-	Zhongshan Hospital ASRL#3
	Immunoassay on Biossays 240 Plus	Immuno-assay	May '23	551220102, 551220102, 551220102,	551220102	0.00%, 5.18%, 8.55%, 12.61%, 16.60%	-	Zhongshan Hospital ASRL#3
	Immunoassay on LABOSPECT 008AS	Immuno-assay	May '23	551220102, 551220102, 551220102,	551220102	0.00%, 5.18%, 8.55%, 12.61%, 16.60%	-	Zhongshan Hospital ASRL#3
Siemens Healthcare Diagnostics	Atellica DCA	Immuno-assay	May '23	95381122, 95391122, 95630323	-	-	-	Univ. of Missouri. SRL #9

**List of NGSP Certified Methods (Updated 4/24, listed by date certified)**

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Siemens Healthcare Diagnostics	DCA Vantage	Immuno- assay	May '23	0556023, 0573033	-	-	-	Univ. of Missouri. SRL #9
Guangzhou Wondfo Biotech Co, Ltd.	Fluorescence Immunassay on Finecare FIA Meter II Plus SE	Immuno- assay	May '23	F20718503 AD	-	-	-	ReCCS ASRL#1
	Fluorescence Immunassay on Finecare FIA Meter III Plus	Immuno- assay	May '23	F20718503 AD	-	-	-	ReCCS ASRL#1
	Fluorescence Immunassay on Finecare FIA Meter Plus	Immuno- assay	May '23	F20718503 AD	-	-	-	ReCCS ASRL#1
	Fluorescence Immunassay on Finecare FIA Meter	Immuno- assay	May '23	F20718503 AD	-	-	-	ReCCS ASRL#1
Ensayos y Tamizajes de Mexico, S.A. de C.V.	Fluorescence Immunassay on Finecare FIA Meter Plus	Immuno- assay	May '23	F20717307 AD	-	-	-	ReCCS ASRL#1
	Fluorescence Immunassay on Finecare FIA Meter	Immuno- assay	May '23	F20717307 AD	-	-	-	ReCCS ASRL#1
Zybio Inc.	Immunofluores- cence on Q8 Pro	Immuno- assay	May '23	530303, 530304, 530305	G20230101	4.40%, 5.40%, 6.20%, 7.00%, 8.20%, 8.60%, 9.20%, 11.60%, 13.10%, 14.60%	-	Zhongshan Hospital ASRL#3
Toyobo Co., Ltd.	HbA1c Direct on Hitachi 7180	Immuno- assay	May '23	221128LB, 221201R1, 221124R2	CAL87	5.24%, 15.76%	-	ReCCS ASRL#1
	HbA1c Direct on JCA- BM9130	Immuno- assay	May '23	221128LB, 221201R1, 221124R2	CAL87	5.53%, 16.19%	-	ReCCS ASRL#1

@ Method is not currently available