

List of NGSP Certified Methods
(updated 5/23, 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
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
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

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Abbott Diagnostics	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
	DCA Vantage	Immuno- assay	May '23	0556023, 0573033	-	-	-	Univ. of Missouri. SRL #9
Guangzhou Wondfo Biotech Co, Ltd.	Fluorescence Immunassay on Finicare FIA Meter II Plus SE	Immuno- assay	May '23	F20718503 AD	-	-	-	ReCCS ASRL#1
	Fluorescence Immunassay on Finicare FIA Meter III Plus	Immuno- assay	May '23	F20718503 AD	-	-	-	ReCCS ASRL#1

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Guangzhou Wondfo Biotech Co, Ltd.	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.	Immunofluorescence 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
Sekisui Medical Co., Ltd.	Norudia N HbA1c on Hitachi 7170 S	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	211RLT	3.65, 15.40 µmol/L HbA1c; 101.4, 148.0 µmol/L Hb	-	ReCCS ASRL#1
	(RE) Norudia N HbA1c on Hitachi 3500	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	208RLT	5.74, 23.53 µmol/L HbA1c; 167.3, 230.6 µmol/L Hb	-	ReCCS ASRL#1
	(RE) Norudia N HbA1c on TBA-nx360	Enzymatic	Apr '23	HBA214RLT, HBA214RLT, 136RLT	208RLT	5.74, 23.53 µmol/L HbA1c; 167.3, 230.6 µmol/L Hb	-	ReCCS ASRL#1
	(RE) Norudia N HbA1c on Hitachi 7180	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	208RLT	5.74, 23.53 µmol/L HbA1c; 167.3, 230.6 µmol/L Hb	-	ReCCS ASRL#1
	HbA1c Auto TBA on TBA-120FR	Enzymatic	Apr '23	136RLT, 136RLT, 136RLT	208RLT	3.65, 15.40 µmol/L HbA1c; 101.4, 148.0 µmol/L Hb	-	ReCCS ASRL#1
	L type Norudia N HbA1c on Hitachi LST006	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	207RLT	3.70, 15.19 µmol/L HbA1c; 104.3, 145.8 µmol/L Hb	-	ReCCS ASRL#1
	L type Norudia N HbA1c on Hitachi LST008	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	207RLT	3.70, 15.19 µmol/L HbA1c; 104.3, 145.8 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on JCA-BM9130	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	211RLT	3.65, 15.40 µmol/L HbA1c; 101.4, 148.0 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on EV800	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	211RLT	3.65, 15.40 µmol/L HbA1c; 101.4, 148.0 µmol/L Hb	-	ReCCS ASRL#1

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Sekisui Medical Co., Ltd.	Norudia N HbA1c on Hitachi 3500	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	211RLT	3.65, 15.40 µmol/L HbA1c; 101.4, 148.0 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on SK300	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	211RLT	3.65, 15.40 µmol/L HbA1c; 101.4, 148.0 µmol/L Hb	-	ReCCS ASRL#1
	Norudia N HbA1c on TBA- 120FR	Enzymatic	Apr '23	204RLT, 204RLT, 136RLT	208RLT	3.65, 15.40 µmol/L HbA1c; 101.4, 148.0 µmol/L Hb	-	ReCCS ASRL#1
	RC-W FAST Mode	Enzymatic	Apr '23	2204190013	2203220009	5.03%, 11.37%	2210190072	ReCCS ASRL#1
	RC-W VARIANT Mode	Enzymatic	Apr '23	2204190013	2203220009	5.06%, 11.33%	2210190071	ReCCS ASRL#1
UMA Co., Ltd.	MEASURE HbA1c II on Hitachi-7180	Immuno- assay	Apr '23	434ACB, 239ACA	137ACB	0.0%, 6.1%, 8.2%, 11.3%, 16.5%	-	ReCCS ASRL#1
SD Biosensor, Inc.	Standard A1cC on Standard A1cCare	Immuno- assay	Apr '23	4013AC1AC	-	-	-	ReCCS ASRL#1
	Standard F on Standard F200	Immuno- assay	Apr '23	60741G1AC	-	-	-	ReCCS ASRL#1
	Standard F on Standard F2400	Immuno- assay	Apr '23	60741G1AC	-	-	-	ReCCS ASRL#1
	MultiCare	Immuno- assay	Apr '23	4023B82AC	-	-	-	ReCCS ASRL#1
Fujirebio Inc.	¹ AU- SYNCHRON Reagent HbA1C on DxC700AU	Immuno- assay	Apr '23	F9A034, F9A034, H2A025	H1A033	0.0%, 4.2%, 6.8%, 9.6%, 13.2%	-	ReCCS ASRL#1
	¹ Rapidia Auto HbA1c-L on BiOLis24i Premium	Immuno- assay	Apr '23	QF20804, RF20804, NF20101	VF20905	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	¹ Rapidia Auto HbA1c-L on JCA-BM9130	Immuno- assay	Apr '23	QF20804, RF20804, NF20101	VF20905	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	¹ Rapidia Auto HbA1c-L on AU680	Immuno- assay	Apr '23	QF20804, RF20804, NF20101	VF20905	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	¹ Rapidia Auto HbA1c-L on Hitachi 7180	Immuno- assay	Apr '23	QF20804, RF20804, NF20101	VF20905	0.0%, 4.3%, 6.9%, 9.6%, 13.2%	-	ReCCS ASRL#1
	¹ Rapidia Auto HbA1c-L on TBA-120FR	Immuno- assay	Apr '23	QF20804, RF20804, NF20101	VF20905	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 '23	10220199	-	-	-	European Reference Lab ESRL #11
	Afinion HbA1c Dx / Afinion AS100 Analyzer	Boronate affinity	Apr '23	10220386	-	-	-	European Reference Lab ESRL #11
	Afinion HbA1c Dx / Afinion 2 Analyzer	Boronate affinity	Apr '23	10220386	-	-	-	European Reference Lab ESRL #11

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Abbott Diagnostics Technologies AS	Afinion HbA1c / Afinion 2 Analyzer	Boronate affinity	Apr '23	10220199	-	-	-	European Reference Lab ESRL #11
Arkray, Inc.	† ADAMS A1c HA-8180	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220704105	S2004	5.4%, 10.8%	2D101N	ReCCS ASRL#1
	† ADAMS A1c HA-8181	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220704105	S2004	5.4%, 10.8%	3A051N	ReCCS ASRL#1
	† ADAMS A1c HA-8182	Ion- exchange HPLC	Apr '23	211001, 2H1023, 2K1042	S2002	5.3%, 10.4%	2D163N	ReCCS ASRL#1
	ADAMS A1c HA-8180V Variant mode	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220603140, 220704105	S2004	5.4%, 10.8%	2E128U	ReCCS ASRL#1
	† ADAMS A1c HA-8180V Fast mode	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220603140, 220704105	S2004	5.4%, 10.8%	2E128U	ReCCS ASRL#1
	† ADAMS A1c Lite HA-8380V Fast mode	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220603140, 220704105	S2004	5.4%, 10.8%	2G101E	ReCCS ASRL#1
	† ADAMS A1c Lite HA-8380V Variant mode	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220603140, 220704105	S2004	5.4%, 10.8%	2G101E	ReCCS ASRL#1
	† ADAMS A1c HA-8190V Fast mode	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220603140, 220704105	S2004	5.4%, 10.7%	2D20N	ReCCS ASRL#1
	† ADAMS A1c HA-8190V Variant mode	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220603140, 220704105	S2004	5.3%, 10.7%	2D20N	ReCCS ASRL#1
	† ADAMS A1c Lite HA-8380	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220704105	S2004	5.4%, 10.8%	2D102N	ReCCS ASRL#1
	† ADAMS A1c HA-8180T	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220826160, 220704105	S2004	5.4%, 10.8%	2D101L	ReCCS ASRL#1
	† ADAMS HYBRID AH- 8290	Ion- exchange HPLC	Apr '23	220721101, 230112102, 220704105	S2004	5.4%, 10.8%	3A052N	ReCCS ASRL#1
	† CinQ HbA1c on JCA- BM6010 HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '23	MFA41, MFE42	CAC0K27	2.73, 6.94 umol/L HbA1c; 95.3 umol/L Hb	-	ReCCS ASRL#1
	† CinQ HbA1c on JCA- BM9130 HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '23	MFA41, MFE42	CAC0K27	2.73, 6.94 umol/L HbA1c; 95.3 umol/L Hb	-	ReCCS ASRL#1

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Arkray,	[†] CinQ HbA1c on JCA-ZS050 HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '23	MFA41, MFE42	CAC0K27	2.73, 6.94 umol/L HbA1c; 95.3 umol/L Hb	-	ReCCS ASRL#1
	[†] CinQ HbA1c on LABOSPECT006 HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '23	MFA41, MFE42	CAC0K27	2.73, 6.94 umol/L HbA1c; 95.3 umol/L Hb	-	ReCCS ASRL#1
	[†] CinQ HbA1c on TBA-120FR HbA1c% (NGSP)=0.0915 *HbA1c/Hb*10 00(IFCC)+2.15	Enzymatic	Apr '23	MFA41, MFE42	CAC0K27	2.73, 6.94 umol/L HbA1c; 95.3 umol/L Hb	-	ReCCS ASRL#1
	@ The Lab 001 HbA1c%(NGSP)= 0.0915*HbA1c/Hb *1000(IFCC)+2.1 5	Capillary Electroph oresis	Apr '23	CE113B1A1, CE113A3A1, CE113A4A1	-	-	-	ReCCS ASRL#1
Siemens Healthcare Diagnostics	Dimension Vista A1C on Dimension Vista 500	Immuno- assay	Apr '23	22283BA	2KD011	0.13, 0.46, 0.90, 1.58, 2.16 g/dL HbA1c; 13.03, 12.57 g/dL Hb	-	Univ. of Missouri. SRL #9
	Dimension Vista A1C on Dimension Vista 1500	Immuno- assay	Apr '23	22283BA	2KD011	0.13, 0.46, 0.90, 1.58, 2.16 g/dL HbA1c; 13.03, 12.57 g/dL Hb	-	Univ. of Missouri. SRL #9
Fujikura Kasei Co., Ltd	HbA1c-F on Hitachi 7180	Immuno- assay	Apr '23	W22B071C	W22E011C	5.1%, 8.8%, 12.2%	-	ReCCS ASRL#1
	HbA1c-FL on Hitachi 7180	Immuno- assay	Apr '23	W23A141L	W23A141L	4.1%, 7.0%, 9.6%, 13.4%	-	ReCCS ASRL#1
	HbA1c-FW on Hitachi 7180	Immuno- assay	Apr '23	W23A191W	W23A011D	4.9%, 8.5%, 12.0%	-	ReCCS ASRL#1
LumiraDx	LumiraDx HbA1c Test	Immuno- assay	Mar '23	6001055	-	-	-	European Reference Lab ESRL #15
Archem Sağlık Sanayi ve Ticaret A.Ş.	HbA1c Immunoturbidi metric on Mindray BS800 & BS800M	Immuno- assay	Mar '23	086	028	5.5%, 8.0%, 10.5%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric on Olympus AU5800	Immuno- assay	Mar '23	086	028	5.5%, 8.0%, 10.5%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric on Olympus AU480	Immuno- assay	Mar '23	086	028	5.5%, 8.0%, 10.5%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidi metric Method on Alinity c	Immuno- assay	Mar '23	086	028	5.5%, 8.0%, 10.5%, 15.5%	-	European Reference Lab ESRL #13

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Archem Sağlık Sanayi ve Ticaret A.Ş.	HbA1c Immunoturbidimetric Method on Architect c4000	Immuno-assay	Mar '23	090	028	5.75%, 8.2%, 10.7%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidimetric Method on Architect c8000	Immuno-assay	Mar '23	090	028	5.75%, 8.2%, 10.7%, 15.5%	-	European Reference Lab ESRL #13
	HbA1c Immunoturbidimetric Method on Architect c16000	Immuno-assay	Mar '23	090	028	5.75%, 8.2%, 10.7%, 15.5%	-	European Reference Lab ESRL #13
Shenzhen Labnovation Technologies, Inc.	HPLC on LD-500, LD-510, LD-520	Ion-exchange HPLC	Mar '23	20220831, 20220831	20220831, 20220831	5.24%, 11.05%	20220905	ReCCS ASRL#1
	HPLC on LD-560, LD-561, LD-562	Ion-exchange HPLC	Mar '23	20221031, 20221031, 20221031	20220831, 20220831	5.3%, 10.9%	5F71010	ReCCS ASRL#1
	HPLC on LD-600, LD-620	Ion-exchange HPLC	Mar '23	20221031, 20221031, 20221031	20220831, 20220831	5.4%, 10.9%	4F71002	ReCCS ASRL#1
	Borate affinity on LD-100, LD-120, LD-160	Boronate Affinity	Mar '23	20221020	20220831, 20220831	5.6%, 11.3%	-	ReCCS ASRL#1
Minaris Medical Co., Ltd.	Determiner L HbA1c on FUNOTEC FC-300	Immuno-assay	Mar '23	551ABI, 551ABI	508ABJ	0.0%, 4.4%, 6.8%, 9.8%, 13.2%	-	ReCCS ASRL#1
	Determiner L HbA1c DM-JACK	Immuno-assay	Mar '23	551ABI, 551ABI	508ABJ	0.0%, 4.5%, 6.8%, 9.7%, 13.1%	-	ReCCS ASRL#1
	Determiner L HbA1c on JCA-BM9130	Immuno-assay	Mar '23	551ABI, 551ABI	508ABJ	0.0%, 4.4%, 6.8%, 9.8%, 13.2%	-	ReCCS ASRL#1
	Determiner L HbA1c on TBA-120FR	Immuno-assay	Mar '23	551ABI, 551ABI	508ABJ	0.0%, 4.4%, 6.8%, 9.8%, 13.2%	-	ReCCS ASRL#1
	Determiner L HbA1c on Hitachi-7180	Immuno-assay	Mar '23	551ABI, 551ABI	509ABJ	0.0%, 4.3%, 6.8%, 9.8%, 13.2%	-	ReCCS ASRL#1
Thermo Fisher Scientific Oy	HbA1c for Indiko, ref 981947, 981948 (91.5*HbA1c/Hb* +2.15)	Immuno-assay	Mar '23	VA59, V629	V967	1.4459 mmol/L HbA1c; 8.501 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c for Konelab, ref 981947, 981948 (91.5*HbA1c/Hb* +2.15)	Immuno-assay	Mar '23	V665, V629	V967	1.4459 mmol/L HbA1c; 8.501 mmol/L Hb	-	European Reference Lab ESRL #13
PTS Diagnostics	A1CNOW+; A1CNOW Selfcheck	Immuno-assay	Mar '23	2134336	-	-	-	Univ. of Missouri. SRL #9
Trinity Biotech	Boronate Affinity HPLC on Premier Hb9210	Boronate affinity HPLC	Mar '23	13671, 13116, 13361, 13493	13251, 13252	5.2%, 12.3%	13044	Univ. of Missouri. SRL #11

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GC MEDIS Corp.	Boronate Affinity on Cera-Stat 4000 (Merilyzer Mericheck Analyzer)	Boronate Affinity	Feb '23	HC4332K091, HC4332K092, HC4332K09W	-	-	-	Univ. of Missouri. SRL #9
	Boronate Affinity on Cera-Stat 2000 (QDx A1c Analyzer)	Boronate Affinity	Feb '23	HC2332K091, HC2332K092, HC2332K09W	-	-	-	Univ. of Missouri. SRL #9
	Boronate Affinity LabonaCheck A1c HbA1c Analyzer (Model: MH200), A1Card HbA1c Analyzer	Boronate Affinity	Feb '23	HM2362K091, HM2362K092, HM2362K09W	-	-	-	Univ. of Missouri. SRL #9
Nittobo Medical Co., Ltd	N-Assay LA HbA1c Nittobo on TBA-120FR	Immuno-assay	Feb '23	F206A	E206A	0%, 4.9%, 8.5%, 11.9%, 15.7%	-	ReCCS ASRL#1
	N-Assay LA HbA1c Nittobo on BM9130	Immuno-assay	Feb '23	F206A	E206A	0%, 4.9%, 8.5%, 11.9%, 15.7%	-	ReCCS ASRL#1
	N-Assay LA HbA1c Nittobo on H-7180	Immuno-assay	Feb '23	F206A	E206A	0%, 4.9%, 8.5%, 11.9%, 15.7%	-	ReCCS ASRL#1
	N-Assay LA HbA1c Nittobo on TBA c8000	Immuno-assay	Feb '23	F206A	E206A	0%, 4.9%, 8.5%, 11.9%, 15.7%	-	ReCCS ASRL#1
Skyla Corporation Hsinchu Science Park Branch	Immunoassay on Skyla Hi Analyzer also sold as LINX DUO Multiassay Analyzer	Immuno-assay	Feb '23	A1ZH22J43	-	-	-	ReCCS ASRL#1
PZ Cormay S.A.	DIACARE 10 Hemoglobin HPLC	Ion-exchange HPLC	Feb '23	H8SX221150	H8SX220200	5.60%, 9.90%	33247102DS X22B27973	Zhongshan Hospital ASRL#3
	DIACARE 110 STAT Hemoglobin HPLC	Ion-exchange HPLC	Feb '23	H9SX220460	H8SX220210	5.60%, 10.00%	33025SX22B 27373	Zhongshan Hospital ASRL#3
Shenzhen Lifotronic Technology Co., Ltd	FA-100 Lateral Flow Immunoassay Analyzer	Immuno-assay	Feb '23	HBA2200400	-	-	-	Zhongshan Hospital ASRL#3
	FA-160 Lateral Flow Immunoassay Analyzer	Immuno-assay	Feb '23	HBA2200400	-	-	-	Zhongshan Hospital ASRL#3
	GH-900Plus HbA1c Analyser	Ion-exchange HPLC	Feb '23	HSX2209100	HSX2201900	5.60%, 10.40%	33205I02FS X22802093	Zhongshan Hospital ASRL#3
	H6 Hemoglobin Analyzer	Ion-exchange HPLC	Feb '23	HSX2209100	HSX2201900	5.60%, 10.40%	33079I02JS X2282033	Zhongshan Hospital ASRL#3

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Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Shenzhen Lifotronic Technology Co., Ltd	H8 Hemoglobin Analyzer Also sold by Assel srl as AS8	Ion- exchange HPLC	Feb '23	H8SX221150	H8SX220200	5.60%, 9.90%	33247102DS X22B27973	Zhongshan Hospital ASRL#3
	H9 Hemoglobin Analyzer Also sold by Assel srl as AS9	Ion- exchange HPLC	Feb '23	H9SX220460	H8SX220210	5.60%, 10.00%	33025SX22B 27373	Zhongshan Hospital ASRL#3
	H100 Hemoglobin Analyzer	Ion- exchange HPLC	Feb '23	1SXA220010, 1SXB220010, 1SXC220010	10SX220010	5.60%, 10.40%	1E220102MS X22B00001	Zhongshan Hospital ASRL#3
	H100PLUS Hemoglobin Analyzer	Ion- exchange HPLC	Feb '23	HNXA220010, HNXB220010, HNXC220010	HMX220201	5.60%, 10.40%	3C058102KS X22900032	Zhongshan Hospital ASRL#3
	Hb NEXT Hemoglobin Analyzer	Ion- exchange HPLC	Feb '23	HASX220100, HBSX220030, HCSX220020	HNSX220050	5.50%, 10.40%	3C202102HS X22C01679	Zhongshan Hospital ASRL#3
MDX Medtek Diagnostics (Netherlands) B.V.	HPLCline 100 Hemoglobin Analyzer	Ion- exchange HPLC	Feb '23	H8SX221150	H8SX220200	5.60%, 9.90%	33247102DS X22B27973	Zhongshan Hospital ASRL#3
Human Gesellschaft für Biochemica und Diagnostica mbH	Ion-exchange HPLC on HumaNex A1c Variant	Ion- exchange HPLC	Feb '23	HA1C220010	HA1C22030	5.60%, 9.60%	33011102DS X22926096	Zhongshan Hospital ASRL#3
Shenzhen Watmind Medical Co., Ltd.	Immuno- fluorescence	Immuno- assay	Feb '23	22120100, 22120200, 22120300	-	-	-	Zhongshan Hospital ASRL#3
DxGen Corp.	Boronate affinity on Epithod 616 HbA1c Measuring System (Ep.616, Ep. 616H)	Boronate Affinity	Feb '23	C12L0201R1, C12L0201W1, C12L0201C1	-	-	-	Univ. of Missouri. SRL #9
	Boronate affinity on Epithod HbA1c Measuring System (Ep.414, DX.HbA1c HbA1c)	Boronate Affinity	Feb '23	C12L0502R1, C12L0502W1, C12L0502C1	-	-	-	Univ. of Missouri. SRL #9
Beckman Coulter Inc.	HbA1c3 Colorimetric DxC600 Platform %NGSP HbA1c3=(A1c/Hb) *91.48+2.152	Immuno- assay	Jan '23	M209670, M209670, M209593	M209670	0.193, 0.454, 0.844, 1.406, 2.112g/dL HbA1c; 17.470g/dL Hb	-	Univ. of Missouri. SRL #9
	HbA1c3 Colorimetric DxC800 Platform %NGSP HbA1c3=(A1c/Hb) *91.48+2.152	Immuno- assay	Jan '23	M209670, M209670, M209593	M209670	0.193, 0.454, 0.844, 1.406, 2.112g/dL HbA1c; 17.470g/dL Hb	-	Univ. of Missouri. SRL #9

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Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Beckman Coulter Inc.	HbA1c Colorimetric DxC800 Platform %NGSP HbA1c3=(A1c/Hb) *91.48+2.152	Immuno- assay	Jan '23	M210419, M210419, M207385	M210419	0.193, 0.454, 0.844, 1.406, 2.112g/dL HbA1c; 17.470g/dL Hb	-	Univ. of Missouri. SRL #9
	HbA1c Colorimetric DxC600 Platform %NGSP HbA1c3=(A1c/Hb) *91.48+2.152	Immuno- assay	Jan '23	M210419, M210419, M207385	M210419	0.193, 0.454, 0.844, 1.406, 2.112g/dL HbA1c; 17.470g/dL Hb	-	Univ. of Missouri. SRL #9
EMPECS Medical Device Co., Ltd.	ASUREQUAN Analyzer	Enzymatic	Jan '23	BAIVK02P1A	-	-	-	European Reference Lab ESRL#13
Nihon Kohden Corporation	@Celltac Chemi HbA1c N on MEK-1303	Immuno- assay	Jan '23	22028	CEN011	0.0%, 4.3%, 6.6%, 9.4%, 12.5%	-	ReCCS ASRL#1
	@Celltac Chemi HbA1c on CHM-4100	Immuno- assay	Jan '23	22046	CEN011	0.0%, 4.4%, 6.6%, 9.5%, 12.8%	-	ReCCS ASRL#1
	@Celltac Chemi HbA1c N on CHM-4100	Immuno- assay	Jan '23	22028	CEN011	0.0%, 4.3%, 6.6%, 9.4%, 12.5%	-	ReCCS ASRL#1
i-SENS	Enzymatic on A1Care (also sold as Raptic L)	Enzymatic	Jan '23	DIIPAD	-	-	-	ReCCS ASRL#1
TaiDoc Technology Corp.	Immunoassay on TD-4611	Immuno- assay	Jan '23	22D101	111002, 111002	5.60%, 12.30%	-	European Reference Lab ESRL#13
Bio-Rad Laboratories	† VARIANT II Dual (A1c)	Ion- exchange HPLC	Jan '23	64505875, 64505876, 64496012	64482808, 64482809	5.2%, 10.2%	BA00058	Univ. of Missouri. SRL #9
	† VARIANT II Dual (A2/F/A1c)	Ion- exchange HPLC	Jan '23	64505875, 64505876, 64496012	64471945, 64471946	5.1%, 10.4%	DA00058	Univ. of Missouri. SRL #9
	D-10 HbA1c (12000949)	Ion- exchange HPLC	Jan '23	AA20400, AA20401, AA20031	AA20398, AA20399	5.3%, 10.3%	R00345G	Univ. of Missouri. SRL #9
	D-10 HbA1c	Ion- exchange HPLC	Jan '23	AA20400, AA20401, AA10379	AA20398, AA20399	5.3%, 10.3%	D90234AM	Univ. of Missouri. SRL #9
	D-100 HbA1c	Ion- exchange HPLC	Jan '23	64502663, 64508381, 64461060	64508382, 64508382	6.09%, 8.86%	00054AW	Univ. of Missouri. SRL #9
	D-10 Dual A2/F/A1c	Ion- exchange HPLC	Jan '23	AA20402, AA20403, AA20031	AA20315, AA20316	5.6%, 10.4%	D90234AA	Univ. of Missouri. SRL #9
	Variant II HbA1c NU	Ion- exchange HPLC	Jan '23	64471709, 64471711, 64383249	64501402, 64501407	5.4%, 10.4%	NU00061A	Univ. of Missouri. SRL #9
	VARIANT II TURBO HbA1c Kit – 2.0 (12000447)	Ion- exchange HPLC	Jan '23	64498464, 64488747, 64499842	64495999, 64496001	5.2%, 10.3%	90072AE	Univ. of Missouri. SRL #9
	VARIANT II TURBO HbA1c Kit – 2.0	Ion- exchange HPLC	Jan '23	64498464, 64488747, 64499842	64495999, 64496001	5.2%, 10.3%	90072AE	Univ. of Missouri. SRL #9

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MED TRUST Handelsges.m.b. H	Wellion CLEVER HbA1c	Boronate Affinity	Jan '23	EAZ220328152	-	-	-	Zhongshan Hospital ASRL#3
	Wellion BONA HbA1c	Boronate Affinity	Jan '23	EAP220823121	-	-	-	Zhongshan Hospital ASRL#3
Hunan Mindray Medical Technology Co., Ltd.	Enzymatic on Beckman Coulter AU5800	Enzymatic	Jan '23	0456210071	0456210071	3.30, 16.6 µmol/L HbA1c; 90.6, 143 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on Hitachi Labospect 008AS	Enzymatic	Jan '23	0456210071	0456210071	3.30, 16.6 µmol/L HbA1c; 90.6, 143 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on Roche Cobas 8000 c701	Enzymatic	Jan '23	0456210071	0456210071	3.72, 17.2 µmol/L HbA1c; 87.0, 139 µmol/L Hb	-	ReCCS ASRL#1
Shenzhen Mindray Bio- Medical Electronics Co., Ltd.	Enzymatic on BS-200E	Enzymatic	Jan '23	044622003	155122007	3.70, 15.6 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-240	Enzymatic	Jan '23	044622003	155122007	3.70, 15.7 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-240Pro	Enzymatic	Jan '23	044622003	155122007	3.70, 15.7 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-360E	Enzymatic	Jan '23	044622003	155122007	3.70, 15.7 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-380	Enzymatic	Jan '23	044622003	155122007	3.70, 15.6 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-400	Enzymatic	Jan '23	044622003	155122007	3.70, 15.6 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-430 & BS- 460	Enzymatic	Jan '23	044622003	155122007	3.70, 15.7 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-480	Enzymatic	Jan '23	044622003	155122007	3.70, 15.7 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1

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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-600M	Enzymatic	Jan '23	044622003	155122007	3.70, 15.7 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-800 & BS-800M	Enzymatic	Jan '23	044622003	155122007	3.70, 15.7 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-830	Enzymatic	Jan '23	044622003	155122007	3.70, 15.7 µmol/L HbA1c; 96.7, 148 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-2000 & BS-2000M	Enzymatic	Jan '23	044622003	155122007	3.70, 15.8 µmol/L HbA1c; 97.1, 150 µmol/L Hb	-	ReCCS ASRL#1
	Enzymatic on BS-2800M	Enzymatic	Jan '23	044622003	155122007	3.70, 15.8 µmol/L HbA1c; 97.0, 149 µmol/L Hb	-	ReCCS ASRL#1
	Ion-exchange HPLC on H50 & H50P	Enzymatic	Jan '23	2021070901, 2021071301, 2021071701	202209191	4.98%, 11.45%	20210906	ReCCS ASRL#1
Erba Lachema s.r.o.	ERBA Hb-Vario/Hb-820	Ion-exchange HPLC	Dec '22	B052204, B052204, B052204	B052204L1, B052204L2	5.90%, 12.50%	B052204	Univ. of Missouri. SRL #9
Lansion Biotechnology Co., Ltd.	Fluorescence Immunoassay on LS-1100	Immuno-assay	Dec '22	0422218	-	-	-	Zhongshan Hospital ASRL#3
	Fluorescence Immunoassay on LS-2000	Immuno-assay	Dec '22	0422218	-	-	-	Zhongshan Hospital ASRL#3
	Fluorescence Immunoassay on LS-2100	Immuno-assay	Dec '22	0422218	-	-	-	Zhongshan Hospital ASRL#3
	Fluorescence Immunoassay on LS-4000	Immuno-assay	Dec '22	0422218	-	-	-	Zhongshan Hospital ASRL#3
	Fluorescence Immunoassay on LS-3000	Immuno-assay	Dec '22	0422218	-	-	-	Zhongshan Hospital ASRL#3
Siemens Healthcare Diagnostics	Dimension A1C on ExL System	Immuno-assay	Dec '22	GA3220	GA3220	0.12, 0.63, 1.15, 2.04, 2.78 g/dL HbA1c; 13.69, 13.36 g/dL Hb	-	Univ. of Missouri. SRL #9
	Dimension A1C on RxL System	Immuno-assay	Dec '22	GA3220	GA3220	0.12, 0.63, 1.15, 2.04, 2.78 g/dL HbA1c; 13.69, 13.36 g/dL Hb	-	Univ. of Missouri. SRL #9
	Dimension A1C on Xpand System	Immuno-assay	Dec '22	GA3220	GA3220	0.12, 0.63, 1.15, 2.04, 2.78 g/dL HbA1c; 13.69, 13.36 g/dL Hb	-	Univ. of Missouri. SRL #9

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Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Roche Diagnostics International Ltd	Cobas HbA1c Test on cobas b 101	Immuno- assay	Dec '22	133041-01	-	-	-	Univ. of Missouri. SRL #9
Roche Diagnostics	TQ HbA1c Gen. 3 Whole Blood on cobas c311 HbA1c/Hb*91.5 +2.15	Immuno- assay	Dec '22	629598, 619985	559759	0.124, 0.318, 0.630, 0.879, 1.201, 1.716 mmol/L HbA1c; 1.376, 7.423 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 '22	629582, 657543, 611695	559759	0.158, 0.356, 0.670, 0.915, 1.253, 1.770 mmol/L HbA1c; 1.45, 7.78 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 '22	629582, 657543, 626453	559759	0.153, 0.347, 0.654, 0.894, 1.224, 1.730 mmol/L HbA1c; 1.45, 7.78 mmol/L Hb	-	European Reference Lab ESRL#13
	TQ HbA1c Gen. 3 Whole Blood on Cobas c111 HbA1c/Hb*91.5 +2.15	Immuno- assay	Dec '22	625156, 657554	559759	0.01545, 0.01030, 0.00736, 0.00515, 0.00258, 0.00103 mmol/L HbA1c; 0.07423, 0.04949, 0.03535, 0.02474, 0.01237, 0.00495 mmol/L Hb	-	European Reference Lab ESRL#13
B&E Bio- Technology Co., Ltd.	HPLC on G20	Ion- exchange HPLC	Dec '22	H0025, H0026, H0027, H0028	NIM-RM- 3626 (220106), NIM-RM- 3625 (220106)	5.0%, 10.0%	220963BZ14 645	Zhongshan Hospital ASRL#3
SuZhou Sepax Diagnostics Ltd.	Ion-exchange HPLC on GlyHb-100	Ion- exchange HPLC	Dec '22	20220902, 20220902, 20220902, 20220902,	111001, 111001	4.99%, 9.49%	20220101	Zhongshan Hospital ASRL#3
Tascom Co., Ltd.	Enzymatic on SimplexTAS 101	Enzymatic	Dec '22	00222J20	-	-	-	Univ. of Missouri. SRL #9
Horiba Medical	HbA1c WB Whole Blood – Pentra C400 $Y=(0.3379*X)+2.458$	Immuno- assay	Nov '22	2204101	2203201	0.00, 1.45, 3.29, 5.26, 9.35, 13.60 $\mu\text{mol/L}$ HbA1c; 68.29 $\mu\text{mol/L}$ Hb	-	European Reference Lab ESRL #13
	HbA1c WB Hemolysate – Pentra C400 $Y=(0.3616*X)+2.323$	Immuno- assay	Nov '22	2204101	2203201	0.00, 1.51, 3.13, 4.88, 8.48, 12.21 $\mu\text{mol/L}$ HbA1c; 68.29 $\mu\text{mol/L}$ Hb	-	European Reference Lab ESRL #13
	Pointe Hemoglobin A1c – Pentra C200 $Y=(1.037*X)+0.076$	Immuno- assay	Nov '22	117401	111001	0%, 5.2%, 8.9%, 12.6%, 15.6%	-	European Reference Lab ESRL #13

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Horiba Medical	HbA1c WB Hemolysate – Pentra C200 $Y=(0.2504*X)+2.136$	Immuno-assay	Nov '22	2204101	2203201	0.00, 1.85, 3.70, 6.14, 10.52, 14.68 $\mu\text{mol/L}$ HbA1c; 68.29 $\mu\text{mol/L}$ Hb	-	European Reference Lab ESRL #13
	HbA1c WB Hemolysate – ABX Pentra 400 $Y=(0.323*X)+1.824$	Immuno-assay	Nov '22	2204101	2203201	0.00, 2.24, 3.87, 6.03, 9.79, 14.66 $\mu\text{mol/L}$ HbA1c; 68.29 $\mu\text{mol/L}$ Hb	-	European Reference Lab ESRL #13
	HbA1c WB Whole Blood – ABX Pentra 400 $Y=(0.3057*X)+2.358$	Immuno-assay	Nov '22	2204101	2203201	0.00, 1.83, 3.71, 6.13, 10.49, 16.12 $\mu\text{mol/L}$ HbA1c; 68.29 $\mu\text{mol/L}$ Hb	-	European Reference Lab ESRL #13
Bioyong Technologies Co., Ltd.	Matrix-Assisted Laser Desorption Ionization Time of Flight Mass Spectrometry (MALDI-TOF MS)	MALDI-TOF MS	Nov '22	010310-210901	010311-210901 010311-210901 010311-210901	5.10%, 7.60%, 10.10%	-	Zhongshan Hospital ASRL#3
Wells Bio, Inc.	Boronate Affinity on careSURE Analyzer 100	Boronate Affinity	Nov '22	BHB22F081 BHB22F281	-	-	-	ReCCS ASRL#1
Caretium Medical Instruments Co., Limited	Cation-exchange chromatography on HbA1c Analyzer KH-101	Ion-exchange HPLC	Nov '22	20220812	150573A, 150575A	5.10%, 10.20%	20220926	Zhongshan Hospital ASRL#3
	Cation-exchange chromatography on HbA1c Analyzer T9	Ion-exchange HPLC	Nov '22	20220820	150573A, 150575A	5.10%, 10.20%	P170995012	Zhongshan Hospital ASRL#3
OSANG Healthcare Co., Ltd.	Frontier and HemoCue HbA1c 501	Boronate Affinity	Nov '22	F22I06I19E L	-	-	-	Univ. of Missouri. SRL #9
	Clover A1c Plus	Boronate Affinity	Nov '22	B22G16G27 EL	-	-	-	Univ. of Missouri. SRL #9
	Clover A1c, Clover A1c Self and Checkart	Boronate Affinity	Nov '22	A22I21I30E L	-	-	-	Univ. of Missouri. SRL #9
	Cover A1c Expert	Boronate Affinity	Nov '22	B22H30I15 EL	-	-	-	Univ. of Missouri. SRL #9
Biosurfit, S.A.	spinit HbA1c test on spinit C17	Boronate affinity	Nov '22	533_00	-	-	-	European Reference Lab ESRL#11
Everly Diagnostics	B00389 HbA1c on AU680 with red blood cell-serum strip-based cassettes	Immuno-assay	Oct '22	M104559, 1057	1057	0.174, 0.468, 0.839, 1.492, 2.180 mmol/L HbA1c; 14.4 mmol/L Hb	-	Univ. of Missouri. SRL #9
Beckman Coulter Ireland Inc.	HbA1c B00389 Manual Application on AU480	Immuno-assay	Oct '22	1058, 472137	1058	0.079, 0.280, 0.523, 0.919, 1.366 mmol/L HbA1c; 8.87 mmol/L Hb	-	European Reference Lab ESRL #13

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Beckman Coulter Ireland Inc.	HbA1c B00389 Manual Application on AU680	Immuno- assay	Oct '22	1058, 472137	1058	0.079, 0.280, 0.523, 0.919, 1.366 mmol/L HbA1c; 8.87 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c B00389 Manual Application on AU5800	Immuno- assay	Oct '22	1058, 472137	1058	0.079, 0.280, 0.523, 0.919, 1.366 mmol/L HbA1c; 8.87 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c B00389 Manual Application on DXC700 AU	Immuno- assay	Oct '22	1058, 472137	1058	0.079, 0.280, 0.523, 0.919, 1.366 mmol/L HbA1c; 8.87 mmol/L Hb	-	European Reference Lab ESRL #13
	HbA1c B00389 Online Application on DxC700 AU	Immuno- assay	Oct '22	1058	1058	0.096, 0.283, 0.537, 0.920, 1.294 mmol/L HbA1c; 8.87 mmol/L Hb	-	European Reference Lab ESRL #13
Jiangsu Audiocom Medical Technology Co., Ltd.	Ion-exchange chromatography on AC6601	Ion- exchange HPLC	Oct '22	220801-20, 220801-21, 220801-22, 220801-23, 220801-24	220801-26, 220801-27	5.80%, 11.90%	220801-48	Univ. of Missouri. SRL #9
Changsha Sinocare Inc.	HbA1c Monitoring System on PCH- 50	Immuno- assay	Oct '22	22K0419	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c Monitoring System on iCARE-1000	Immuno- assay	Oct '22	21P0809	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c Monitoring System on iCARE-2000	Immuno- assay	Oct '22	21P0809	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c Monitoring System on iCARE-2100	Immuno- assay	Oct '22	21P0809	-	-	-	Zhongshan Hospital ASRL#3
	HbA1c Monitoring System on iCARE-2200	Immuno- assay	Oct '22	21P0809	-	-	-	Zhongshan Hospital ASRL#3
Guangzhou Descheng Biotechnology Co., Ltd.	Immunofluores- cence Analyzer CHF200	Immuno- assay	Oct '22	062220201	-	-	-	Zhongshan Hospital ASRL#3
	Immunofluores- cence Analyzer CHF600	Immuno- assay	Oct '22	062220201	-	-	-	Zhongshan Hospital ASRL#3
Hunan Yonghe- Sun Biotechnology Co., Ltd.	Ion-exchange HPLC on YH- 30	Ion- exchange HPLC	Oct '22	20220408, 20220723	20220805, 20220805	5.40%, 9.30%	20220408, 20220723	Zhongshan Hospital ASRL#3

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Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Shenzhen Xilaiheng Medical Electronics Co., Ltd.	High performance liquid chromatograph (HPLC) on H600 Full-Auto HbA1c Analyzer	Ion- exchange HPLC	Oct '22	220707024, 220707024, 220707024, 220707024,	929601-300, 929601-300	5.60%, 16.00%	BZ14645	Zhongshan Hospital ASRL#3
Shenzhen Superbio Technology Co., Ltd	HbA1c (Time- resolved Fluorescence Immunochromat ographic Assay) on EASY-11	Immuno- assay	Oct '22	2205G101, 2206G101, 2206G102	-	-	-	Zhongshan Hospital ASRL#3
ACON Laboratories, Inc. and Acon Biotech (Hangzhou) Co., Ltd.	On Call MultiPro System— HbA1c	Immuno- assay	Oct '22	OGHB2060 001	-	-	-	Zhongshan Hospital ASRL#3
	On Call A1c	Immuno- assay	Oct '22	gHb2050001	-	-	-	Zhongshan Hospital ASRL#3
VivaChek	Fluorescence Immunoassay on POCT Analyzer VIM01	Immuno- assay	Oct '22	SE2207043	-	-	-	Zhongshan Hospital ASRL#3
	Fluorescence Immunoassay on POCT Analyzer VIM2000	Immuno- assay	Oct '22	SE2206072	-	-	-	Zhongshan Hospital ASRL#3
Getein Biotech, Inc.	Immunofluores cence Assay on Getein 1100 Immunofluores cence Quantitative Analyzer	Immuno- assay	Oct '22	YBC221028	-	-	-	Zhongshan Hospital ASRL#3
	Immunofluores cence Assay on Getein 1600 Immunofluores cence Quantitative Analyzer	Immuno- assay	Oct '22	P009221042	-	-	-	Zhongshan Hospital ASRL#3
	Immunofluores cence Assay on Getein 1180 Immunofluores cence Quantitative Analyzer	Immuno- assay	Oct '22	A019220009	-	-	-	Zhongshan Hospital ASRL#3
	Colloidal Gold on FIA8600/8000 Quantitative Immunoassay Analyzer	Immuno- assay	Oct '22	6BC220002	-	-	-	Zhongshan Hospital ASRL#3

List of NGSP Certified Methods (Updated 5/23, listed by date certified)

Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Getein Biotech, Inc.	Immunofluorescence Assay on Getein 208 Hand-held Integrated System	Immuno-assay	Oct '22	EBC220004	-	-	-	Zhongshan Hospital ASRL#3
Ailex Technology Group Co., Ltd.	Ion-exchange HPLC on AH-600	Ion-exchange HPLC	Oct '22	211204AC1, 211204AC2, 220101YY3, 20220105	ZS9003, ZS9003	5.83%, 10.53%	2112C-0093	Zhongshan Hospital ASRL#3
JEOL Ltd.	BM Test HbA1c on JCA-BM6010/C	Enzymatic	Oct '22	861RDT, 862RDT, 857RJT	935RCT, 935RCT	3.01, 15.06 μmol/L HbA1c; 101.8, 155.6 μmol/L Hb	-	ReCCS ASRL#1
HORIBA Medical	Spotchem Banalyst HbA1c on SI-3620	Immuno-assay	Oct '22	2232JK0370	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 '22	2232JK041A	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 '22	2232JK0370	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 '22	2232JK041A	WC0071	0.0, 24.2, 50.9, 83.0, 124.5 mmol/mol	-	ReCCS ASRL#1
Xiamen Biotime Biotechnology Co., Ltd.	Fluorescence Immunoassay on BIOT-YG-1 FIA Analyzer	Immuno-assay	Oct '22	Y2206022	-	-	-	Zhongshan Hospital ASRL#3
	Ion-Exchange chromatography HLC-100 Fully Automated HbA1c Analyzer (HPLC)	Ion-exchange HPLC	Oct '22	H2022062001	H2022062001		H2022062001	Zhongshan Hospital ASRL#3
Goldsite Diagnostics Inc.	HbA1c on GSH-60	Ion-exchange HPLC	Sept'22	9101220421A1, 91012220421A1, 9103220421A1	20220714A1	5.50%, 11.50%	-	Zhongshan Hospital ASRL#3
	HbA1c on Alc Go	Boronate affinity	Sept'22	320003220722	320003220520, 320003220520,	5.50%, 14.30%	-	Zhongshan Hospital ASRL#3
	HbA1c on GPP-100	Immuno-assay	Sept'22	1072220707, 1072220707, 1072220707	20220713, 20220713, 20220713, 20220713	5.50%, 8.90%, 11.90%, 16.70%	-	Zhongshan Hospital ASRL#3
	HbA1c on Aristo	Immuno-assay	Sept'22	0572230517, 0572230517, 0572230517,	20220713, 20220713, 20220713, 20220713	5.50%, 8.90%, 11.90%, 16.70%	-	Zhongshan Hospital ASRL#3
	HbA1c on Omlipo	Immuno-assay	Sept'22	0372230417, 0372230417, 0372230417	20220713, 20220713, 20220713, 20220713	5.50%, 8.90%, 11.90%, 16.70%	-	Zhongshan Hospital ASRL#3
Tosoh Corporation	HLC-723GR01 Standard Long Mode	Ion-exchange HPLC	Sept'22	AR-101X, AR-201X, R-301X, HW-09H	JS1001	5.87%, 11.07%	A	Univ. of Missouri. SRL #9
	HLC-723GR01 Standard Short Mode	Ion-exchange HPLC	Sept'22	AR-101X, AR-201X, R-301X, HW-09H	JS1001	5.87%, 11.07%	A	Univ. of Missouri. SRL #9

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Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Ortho Clinical Diagnostics	A1C1 on Vitros XT 3400	Enzymatic	Sept'22	8731	3311	4.06%, 6.77%, 13.47%	-	Univ. of Missouri. SRL #9
	A1C1 on Vitros XT 4600	Enzymatic	Sept'22	8731	3311	3.96%, 6.43%, 13.28%	-	Univ. of Missouri. SRL #9
	A1C1 on Vitros XT 5600	Enzymatic	Sept'22	8731	3311	3.96%, 6.43%, 13.28%	-	Univ. of Missouri. SRL #9
	A1C1 on Vitros XT 7600	Enzymatic	Sept'22	8731	3311	4.06%, 6.77%, 13.47%	-	Univ. of Missouri. SRL #9
Boditech Med Inc.	HbA1c on Neo EZ POC	Immuno- assay	Sept'22	AASBA06EX	111001	5.5%, 8%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on QDx Instacheck	Immuno- assay	Sept'22	AASCX07	111001	5.5%, 8%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c Neo on QDx Instacheck	Immuno- assay	Sept'22	AASBA06EX	111001	5.5%, 8%, 10.4%, 12.5%	-	ReCCS ASRL#1
EKF Diagnostics GmbH	¹ Boronate- Affinity Quo- Test HbA1C	Boronate affinity	Sept '22	020708	-	-	-	European Reference Lab ESRL #11
	¹ Boronate- Affinity Quo- Lab HbA1C	Boronate affinity	Sept '22	026094	-	-	-	European Reference Lab ESRL #11
Human Gesellschaft fuer Biochemica und Diagnostica mbH	¹ Boronate- Affinity HumaMeter HbA1c	Boronate affinity	Sept '22	026099	-	-	-	European Reference Lab ESRL #11
Agappe Diagnostics Ltd.	¹ Nephelometry on Specific Protein Analyzer Mispa i2	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ Nephelometry on cartridge based Specific Protein Analyzer Mispa i3	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on TMS 30i	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on TBA-120FR	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on TBA-25FR	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa Viva	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa Plus	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa CCXL	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	6.40%, 9.20%, 14.70%, 17.20%	-	European Reference Lab ESRL#10

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Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Agappe Diagnostics Ltd.	¹ AgA1c (Immunoturbidi metric method) on Mispa CX4	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.70%, 9.10%, 13.60%, 17.00%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa CXL Pro Plus	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.70%, 9.10%, 13.60%, 17.00%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa CXL Pro	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.70%, 9.10%, 13.60%, 17.00%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa Clinia Plus	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on BS 390	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa Nano	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	6.30%, 9.70%, 14.20%, 17.00%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa Nano Plus	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	5.80%, 9.30%, 13.60%, 16.10%	-	European Reference Lab ESRL#10
	¹ AgA1c (Immunoturbidi metric method) on Mispa Ace	Immuno- assay	Sept '22	42010176, 42010177, 11070081	42020130, 42020131, 42020132, 42020133	6.30%, 9.70%, 14.20%, 17.00%	-	European Reference Lab ESRL#10
Apex Biotechnology Corp.	Immunoaggluti nation on Eclipse PLUS	Immuno- assay	Sept '22	AS2031	-	-	-	ReCCS ASRL#1
	Immunoaggluti nation on Eclipse A1c	Immuno- assay	Sept '22	S20401	-	-	-	ReCCS ASRL#1
Minaris Medical Co., Ltd.	MetaboLead HbA1c on DM- JACK	Immuno- assay	Sept '22	506ABE, 506ABE	504ABC	2.60, 9.78 µmol/L HbA1c; 84.4, 120.9 µmol/L Hb	-	ReCCS ASRL#1
	MetaboLead HbA1c on JCA- BM9130	Immuno- assay	Sept '22	506ABE, 506ABE	504ABC	2.60, 9.78 µmol/L HbA1c; 84.4, 120.9 µmol/L Hb	-	ReCCS ASRL#1
	MetaboLead HbA1c on TBA- 120FR	Immuno- assay	Sept '22	506ABE, 506ABE	504ABC	2.60, 9.78 µmol/L HbA1c; 84.4, 120.9 µmol/L Hb	-	ReCCS ASRL#1
	MetaboLead HbA1c on Hitachi 7180	Immuno- assay	Sept '22	506ABE, 506ABE	504ABC	2.60, 9.78 µmol/L HbA1c; 84.4, 120.9 µmol/L Hb	-	ReCCS ASRL#1

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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 LABOSPECT 006	Immuno-assay	Sept '22	506ABE, 506ABE	504ABC	2.60, 9.78 µmol/L HbA1c; 84.4, 120.9 µmol/L Hb	-	ReCCS ASRL#1
Furuno Electric Co. Ltd.	Centronic HbA1c Turbidimetric immunoassay on CA-800	Immuno-assay	Sept '22	HF04221F1-206, HF04221F1-206, HF04221ALY-201	211501	0%, 5.7%, 8.3%, 11.4%, 15.5%	-	ReCCS ASRL#1
JW Bioscience	Immuno assay on JCA-BM6010/C	Immuno-assay	Aug '22	201 (JW reagent)	Cal201	5.6%, 8.6%, 11.9%, 15.5%	-	ReCCS ASRL#1
Human Gesellschaft für Biochemica und Diagnostica mbH	HumanNex A1c	Ion-exchange HPLC	Aug '22	220509, 220509, 220509	20211220, 20211220	5.69%, 10.95%	220509	Univ. of Missouri. SRL #9
Shanghai Medconn Medical Technology Co. Ltd (China)	HPLC on MQ-2000PT	Ion-exchange HPLC	Aug '22	PTHbA1c211 018F, PTHbA1c211 018F, PTHbA1c211 018F,	20210113, 20210113	5.71%, 11.04%	PTHbA1c21 1018F	Univ. of Missouri. SRL #9
	HPLC on MQ-3000	Ion-exchange HPLC	Aug '22	3K20211115C, 3K20211115C, 3K20211115C	20220223, 20220223	5.74%, 11.02%	3K20211115C	Univ. of Missouri. SRL #9
	HPLC on MQ-3000PT	Ion-exchange HPLC	Aug '22	3K20211115C, 3K20211115C, 3K20211115C	20220223, 20220223	5.74%, 11.02%	3K20211115C	Univ. of Missouri. SRL #9
	HPLC on MQ-6000	Ion-exchange HPLC	Aug '22	20220530K, 20220530K, 20220530K, 20220530K,	20211221, 20211221	5.39%, 10.72%	20220530K	Univ. of Missouri. SRL #9
	HPLC on MQ-8000	Ion-exchange HPLC	Aug '22	6KV20220223H, 6KV20220223H, 6KV20220223H, 6KV20220223H	20210113, 20210113	5.56%, 10.88%	6KV20220223H	Univ. of Missouri. SRL #9
	HPLC on MQ-8000PT	Ion-exchange HPLC	Aug '22	6KV20211116F, 6KV20211116F, 6KV20211116F, 6KV20211116F	20210113, 20210113	5.51%, 10.72%	6KV20211116F	Univ. of Missouri. SRL #9
	Latex agglutination on AU5800	Immuno-assay	Aug '22	02HbA1c21 0702	211222	0.0%, 5.3%, 9.4%, 13.1%, 17.0%	-	Univ. of Missouri. SRL #9
Shinva Medical Instrument Co., Ltd.	SGH-200	Ion-exchange HPLC	July '22	202201, 202201	202201, 202201	5.00%, 8.90%	220404	Zhongshan Hospital ASRL#3
Boditech Med Inc.	HbA1c Neo on AFIAS-1	Immuno-assay	July '22	AASCA04X	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c Neo on AFIAS-3	Immuno-assay	July '22	AASCA04X	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c Neo on AFIAS-6	Immuno-assay	July '22	AASCA04X	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c Neo on AFIAS-10	Immuno-assay	July '22	AASCA04X	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c Neo on ichroma II	Immuno-assay	July '22	AASBA06EX	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c Neo on ichroma III	Immuno-assay	July '22	AASBA06EX	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c Neo on ichroma -50 PLUS	Immuno-assay	July '22	AASBA06EX	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1

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Manufacturer	Method/ Instrument	Method Type	Date Certified	Reagent Lot	Calibrator Lot	Calibrator Assigned Value	Column Lot	Secondary Reference Laboratory
Boditech Med Inc.	HbA1c Neo on ichroma M3	Immuno- assay	July '22	AASBA06EX	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c Neo on ichroma Reader	Immuno- assay	July '22	AASBA06EX	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on AFIAS-1	Immuno- assay	July '22	AASAB84F	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on AFIAS-3	Immuno- assay	July '22	AASAB84F	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on AFIAS-6	Immuno- assay	July '22	AASAB84F	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on AFIAS-10	Immuno- assay	July '22	AASAB84F	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on ichroma II	Immuno- assay	July '22	AASCX07	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on ichroma III	Immuno- assay	July '22	AASCX07	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on ichroma M3	Immuno- assay	July '22	AASCX07	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on ichroma -50 PLUS	Immuno- assay	July '22	AASCX07	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
	HbA1c on ichroma Reader	Immuno- assay	July '22	AASCX07	111001	5.5%, 8.0%, 10.4%, 12.5%	-	ReCCS ASRL#1
Instrumentation Laboratory	HbA1c Enzymatic (Manual pretreatment) on Ilab Taurus (%NGSP=HbA1c/T Hb*91.48+2.152)	Enzymatic	July '22	I0622200	I0622201, I0622201	2.99, 15.76 µmol/L HbA1c; 102.8, 158.4 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 '22	I0622200	I0622201, I0622201	2.99, 15.76 µmol/L HbA1c; 102.8, 158.4 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 '22	I0622200	I0622201, I0622201	2.99, 15.76 µmol/L HbA1c; 102.8, 158.4 µmol/L Hb	-	European Reference Lab ESRL#16
CareforU.Co.Ltd	CareBuddy Multi/ CareBuddy HbA1c/ HUBI DIA/ HUBI A1c)	Boronate Affinity	July '22	CDC122E09	-	-	-	European Reference Lab ESRL#10
GC Medical Science` Corp.	Boronate Affinity on Grencare A1c	Boronate Affinity	July '22	R12D061K	-	-	-	Univ. of Missouri. SRL #9
	Boronate Affinity on Arkray Pocket Chem A1c Advanced	Boronate Affinity	July '22	R12D061K	-	-	-	Univ. of Missouri. SRL #9

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GC Medical Science` Corp.	Boronate Affinity on Diasys India QDx A1c Advance	Boronate Affinity	July '22	R12D061K	-	-	-	Univ. of Missouri. SRL #9
	Boronate Affinity on Medisys Hemo G Smart Analyzer	Boronate Affinity	July '22	R12D061K	-	-	-	Univ. of Missouri. SRL #9
Wuxi Biohermes Bio & Medical Technology Co., Ltd.	Boronate Affinity on A1C EZ 2.0 Glycohemoglobin Analysis System	Boronate Affinity	July '22	CAP220301111	-	-	-	Zhongshan Hospital ASRL#3
	Boronate Affinity on A1cChek Express Glycohemoglobin Analysis System	Boronate Affinity	July '22	EAZ220523011	-	-	-	Zhongshan Hospital ASRL#3
	Boronate Affinity on A1cChek Pro Glycohemoglobin Analysis System	Boronate Affinity	July '22	CAV220606011	-	-	-	Zhongshan Hospital ASRL#3
	Ion-exchange HPLC on BH60 Automatic Glycohemoglobin Analysis System	Ion-exchange HPLC	July '22	CHI220427011AD	CHW22021401	5.03%, 10.41%	CHD22410022AD	Zhongshan Hospital ASRL#3
	Boronate Affinity on GluCoA1c Blood Glucose and Glycohemoglobin Analysis System	Boronate Affinity	July '22	EAG220505111	-	-	-	Zhongshan Hospital ASRL#3
Arkray Inc.	CinQ HbA1c on JCA-ZS050 HbA1c HbA1c%(NGSP)=0.0915*HbA1c/Hb*1000(IFCC)+2.15	Enzymatic	June '22	MFA23, MFE22	CAC0K25	2.73, 6.94 μmol/L HbA1c; 95.3 μmol/L Hb	-	ReCCS ASRL#1
	CinQ HbA1c on JCA-BM9130 HbA1c HbA1c%(NGSP)=0.0915*HbA1c/Hb*1000(IFCC)+2.15	Enzymatic	June '22	MFA23, MFE22	CAC0K25	2.73, 6.94 μmol/L HbA1c; 95.3 μmol/L Hb	-	ReCCS ASRL#1
	CinQ HbA1c on LABOSPECT006 HbA1c HbA1c%(NGSP)=0.0915*HbA1c/Hb*1000(IFCC)+2.15	Enzymatic	June '22	HLS33	CAC0K25	2.73, 6.94 μmol/L HbA1c; 95.3 μmol/L Hb	-	ReCCS ASRL#1

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Arkray Inc.	CinQ HbA1c on TBA-120FR HbA1c HbA1c%(NGSP)=0 .0915*HbA1c/Hb*1 000(IFCC)+2.15	Enzymatic	June '22	MFA23, MFE22	CAC0K25	2.73, 6.94 μmol/L HbA1c; 95.3 μmol/L Hb	-	ReCCS ASRL#1
Sebia	Capillary HbA1c on Capillary 2 Flex Piercing %NGSP=0.0914 8 x [IFCC] (mmol/mol) + 2.152	Capillary Electro- phoresis	June '22	28091/01, 13010/01, 23081/01	05030/01, 06030/01	35.8, 85.9 mmol/mol	-	European Reference Lab ESRL#10
	Minicap HbA1c %NGSP=0.0914 8 x [IFCC] (mmol/mol) + 2.152	Capillary Electro- phoresis	June '22	06071/01, 12071/01, 15071/01	15041/01, 16041/01	36.5, 87.1 mmol/mol	-	European Reference Lab ESRL#10
	CAPI 3 HbA1c on Capillary 3 %NGSP=0.0914 8 x [IFCC] (mmol/mol) + 2.152	Capillary Electro- phoresis	June '22	08061/80, 30081/01, 24032/01	15041/01, 16041/01	36.5, 87.1 mmol/mol	-	European Reference Lab ESRL#10
Ortho Clinical Diagnostics	%A1c on Vitros 5,1 FS	Immuno- assay	June '22	9647	3132	0.169, 0.839, 1.705, 3.786 g/dL HbA1c; -0.695, 3.034, 7.385, 16.166 g/dL Hb	-	Univ. of Missouri. SRL #9
	%A1c on Vitros 4600	Immuno- assay	June '22	9647	3132	0.165, 0.843, 1.719, 3.704 g/dL HbA1c; -0.695, 3.034, 7.385, 16.166 g/dL Hb	-	Univ. of Missouri. SRL #9
	%A1c on Vitros 5600	Immuno- assay	June '22	9647	3132	0.165, 0.843, 1.719, 3.704 g/dL HbA1c; -0.695, 3.034, 7.385, 16.166 g/dL Hb	-	Univ. of Missouri. SRL #9
	%A1c on Vitros 7600	Immuno- assay	June '22	9647	3132	0.165, 0.843, 1.719, 3.704 g/dL HbA1c; -0.695, 3.034, 7.385, 16.166 g/dL Hb	-	Univ. of Missouri. SRL #9
Siemens Healthcare Diagnostics	DCA Vantage	Immuno- assay	June '22	0942032, 0948032	-	-	-	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 '22	614165, 592643	538206	0.130, 0.333, 0.659, 0.919, 1.257, 1.795 mmol/L HbA1c; 1.379, 7.438 mmol/L Hb	-	European Reference Lab ESRL #13

List of NGSP Certified Methods (Updated 5/23, 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 GmbH	TQ HbA1c Gen. 3 Hemolysate on cobas c503 (HbA1c/Hb*91. 5+2.15)	Immuno- assay	June '22	567668, 580773, 521990	538206	0.149, 0.340, 0.643, 0.880, 1.206, 1.704 mmol/L HbA1c; 1.46, 7.83 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 '22	568668, 580773	538206	0.150, 0.346, 0.659, 0.901, 1.238, 1.750 mmol/L HbA1c; 1.46, 7.83 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 '22	611967, 521990, 587784	538206	0.149, 0.340, 0.642, 0.878, 1.204, 1.701 mmol/L HbA1c; 1.46, 7.83 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 '22	611967, 587784	538206	0.153, 0.347, 0.654, 0.893, 1.225, 1.728 mmol/L HbA1c; 1.46, 7.83 mmol/L Hb	-	European Reference Lab ESRL #13
Tosoh Corporation	G8 HbA1c Variant Analysis Mode Ver. 5.23 (1.6 min), HLC- 723G8	Ion- exchange HPLC	June '22	S8-105G, S8-209G, S8-308G, HW-34G	ZS0004	5.68%, 10.61%	S	Univ. of Missouri. SRL #9
	¹ G8 HbA1c Standard Analysis Mode Ver. 5.29 (1.0 min) HLC- 723G8	Ion- exchange HPLC	June '22	R8-107G, R8-205F, 8- 302F, HW- 34G	ZS0004	5.68%, 10.61%	R	Univ. of Missouri. SRL #9
	¹ G9 HbA1c, HLC-723G9, Ver. 1.13	Ion- exchange HPLC	June '22	E9-101G, E9-201G, 9- 301G, HW- 34G	JS1001	5.87%, 11.07%	E	Univ. of Missouri. SRL #9
	G8 HbA1c Variant Analysis Mode Ver. 5.24F (1.6 min), HLC-723G8	Ion- exchange HPLC	June '22	S8-105G, S8-209G, S8-308G, HW-34G	ZS0004	5.68%, 10.61%	S	Univ. of Missouri. SRL #9
	G8 HbA1c Variant Analysis Mode (1.6 min), HLC-723G8	Ion- exchange HPLC	June '22	S8-105F, S8-209G, S8-308G, HW-34G	ZS0004	5.68%, 10.61%	S	Univ. of Missouri. SRL #9
	G8 HbA1c Variant Analysis Mode Ver.5.29 (1.6 min), HLC- 723G8	Ion- exchange HPLC	June '22	S8-105G, S8-209G, S8-308G, HW-34G	ZS0004	5.68%, 10.61%	S	Univ. of Missouri. SRL #9
	G7 HbA1c Variant Analysis Mode (2.2 min), HLC-723G7	Ion- exchange HPLC	June '22	M7-101G, M7-201G, M7-301G, HW-20G	ZS0004	5.68%, 10.61%	M	Univ. of Missouri. SRL #9

List of NGSP Certified Methods (Updated 5/23, 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	¹ GX, Ver.1.24 HLC-723GX	Ion- exchange HPLC	June '22	BX-101G, BX-201G, BX-301G, HW-23G	ZS0004	5.68%, 10.61%	B	Univ. of Missouri. SRL #9
	¹ G11, Standard Analysis Mode Ver.3.08 (0.5 min), HLC- 723G11	Ion- exchange HPLC	June '22	H1-106G, H1-201F, 1- 303G, HW- 34G	ZB0030	5.88%, 10.87%	H	Univ. of Missouri. SRL #9
	¹ G11, Standard Analysis Mode Ver.3.08 (0.5 min), HLC- 723G11	Ion- exchange HPLC	June '22	H1-106G, H1-201F, 1- 303G, HW- 34G	ZS0004	5.68%, 10.61%	H	Univ. of Missouri. SRL #9
	¹ G11, Variant Analysis Mode Ver.3.08 (1.0 min), HLC- 723G11	Ion- exchange HPLC	June '22	G1-111G, G1-204G, G1-301G, HW-34G	ZS0004	5.68%, 10.61%	G	Univ. of Missouri. SRL #9
	¹ G11, Variant Analysis Mode Ver.3.08 (1.0 min), HLC- 723G11	Ion- exchange HPLC	June '22	G1-111G, G1-204G, G1-301G, HW-34G	ZB0030	5.88%, 10.87%	G	Univ. of Missouri. SRL #9
	¹ G11, Variant Analysis Mode Ver.3.05F2 (1.0 min), HLC- 723G11	Ion- exchange HPLC	June '22	G1-111G, G1-204G, G1-301G, HW-26G	ZS0004	5.68%, 10.61%	G	Univ. of Missouri. SRL #9
Siemens Healthcare Diagnostics	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Advia 1800	Enzymatic	June '22	260, 260, 260, 260	1FS001, 1FS001	3.46, 13.59 µmol/L HbA1c; 98.7, 148.6 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Advia 2400	Enzymatic	June '22	260, 260, 260, 260	1FS001, 1FS001	3.46, 13.59 µmol/L HbA1c; 98.7, 148.6 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Advia XPT	Enzymatic	June '22	260, 260, 260, 260	1FS001, 1FS001	3.46, 13.59 µmol/L HbA1c; 98.7, 148.6 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_E) – Automated Pretreatment on Atellica CH 930	Enzymatic	June '22	110360, 110360, 110360, 110360	1HS003, 1HS003	3.03, 15.18 µmol/L HbA1c; 96.1, 148.0 µmol/L Hb	-	Univ. of Missouri. SRL #9

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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 CI 1900	Enzymatic	June '22	110360, 110360, 110360, 110360	1HS003, 1HS003	3.03, 15.18 µmol/L HbA1c; 96.1, 148.0 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_EM) – Manual Pretreatment on Advia 1800	Enzymatic	June '22	260, 260, 260, 260	1FS001, 1FS001	3.46, 13.59 µmol/L HbA1c; 98.7, 148.6 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_EM) – Manual Pretreatment on Advia 2400	Enzymatic	June '22	260, 260, 260, 260	1FS001, 1FS001	3.46, 13.59 µmol/L HbA1c; 98.7, 148.6 µmol/L Hb	-	Univ. of Missouri. SRL #9
	Enzymatic Hemoglobin A1c (A1c_EM) – Manual Pretreatment on Advia XPT	Enzymatic	June '22	260, 260, 260, 260	1FS001, 1FS001	3.46, 13.59 µmol/L HbA1c; 98.7, 148.6 µmol/L Hb	-	Univ. of Missouri. SRL #9

⁰* Method certification has been delayed due to coronavirus and/or other shipping issues.

@ Method is not currently available