

Operational note:

Commissioning recommendations following the national assessment of blood glucose and ketone meters, testing strips and lancets

24 April 2023

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Purpose

Managing the growing incidence of diabetes in England is set to be one of the major clinical challenges of the 21st century. Currently, 3.6 million people are living with diabetes in England, and estimates suggest that this number is expected to rise to 4.2 million people by 2030, affecting almost 9% of the population. It is also estimated that around five million people in England are at high risk of developing type 2 diabetes.

The NHS Long Term Plan sets out a range of actions that the NHS is taking to reduce variation in access to services and patient outcomes, improve quality of treatment and outcomes for people living with type 1 or type 2 diabetes.

In 2021/22, there were over 470,000 people with diabetes, receiving blood glucose, ketone testing strips and lancets in the community. In view of the scale of patient demand for these products, a clinically led national assessment was undertaken to better understand the products available and how they meet the needs of all people living with diabetes.

The intent of the national assessment process (concluded in February 2023) was to also support the delivery of the NHS Long-Term Plan for diabetes management through the following key objectives:

- a. **Equitable access** to the same products for all eligible people, no matter where they live;
- b. **Minimum quality standards** established in a fair and transparent way to better address the needs of all people living with diabetes;
- c. **Prescribing practices aligned** across primary and secondary care; and
- d. **Making best use of NHS Resources**, whilst ensuring that the price paid is commensurate to the quality offered.

Referring to these new national commissioning recommendations, Professor Partha Kar, NHS England's National Speciality Advisor for Diabetes, said:

"As a clinician, I know how important monitoring and testing devices are for people living with diabetes and I am delighted that this new commissioning guidance will empower front-line staff to continue to provide world-class devices to everyone who needs them."

"The new commissioning guidance will ensure that people living with diabetes have continued access to clinically effective meters and test strips and underlines the NHS's commitment to providing the best quality treatment and care at the lowest possible cost to the taxpayer."

Types of meters and devices

The commissioning recommendations have separated blood glucose and ketone meters, strips, and lancets into the following four categories.

Category	Patient Cohort	Meter
1a	Type 1 diabetes or ketosis prone Type 2 diabetes	Meters and strips which are suitable for the majority of people that also require a ketone testing meter.
1b		Meters and strips which are suitable for the majority of people that require additional functionality.
2	Type 2 diabetes	Meters and strips which are suitable for the majority of people with Type 2 diabetes.
3	Type 2 diabetes (Additional functionality)	Meters and strips which are suitable for people with Type 2 diabetes that require additional functionality.
4	Type 1 and 2 diabetes	Lancets which are suitable for the majority of people, and which are suitable for people that require additional functionality.

* Additional functionality includes features such as; on-board carbohydrate counting calculator, large display for visual impairment, and extra memory for Group 2 drivers.

Identification of the preferred blood glucose and ketone meters, testing strips and lancets.

The identification of the preferred blood glucose and ketone meters, testing strips and lancets was conducted following a detailed evaluation process that considered both quality and cost using a national specification, which was developed alongside various stakeholders, including diabetes specialist nurses, consultant physicians, diabetes pharmacists and people living with diabetes.


The recommended meters, strips and lancets have passed a rigorous evaluation process ensuring that only the best of the highest quality and, cost-effective devices are approved.


Summary of recommended devices


Category	Patient Cohort	Meter	Recommendations	
1a	Type 1 diabetes or ketosis prone Type 2 diabetes	Meters and strips which are suitable for the majority of people that also require a ketone testing meter.	A. Menarini Diagnostics - GlucoFix Tech GK Gluco Rx – GlucoRx HCT , Gluco Rx - KEYA Smart Nipro Diagnostics - 4SURE Smart Duo Spirit Health - CareSens Dual	
1b		As per 1a, plus require additional functionality.	A. Menarini Diagnostics - GlucoFix Tech GK Nipro Diagnostics - 4SURE Smart Duo	
2	Type 2 diabetes	Meters and strips which are suitable for the majority of people with Type 2 diabetes.	AgaMatrix – AgaMatrix Agile GlucoRX – GlucoRx Q A. Menarini Diagnostics – GlucoFix Tech GK Neon Diagnostics – Finetest lite Ascensia – Contour Plus Blue Sprit Health – CareSens S Fit Connect2Pharma – On Call Extra Mobile Trivida – TRUE Metrix Air	
3	Type 2 diabetes (additional functionality)	Meters and strips which are suitable for people with Type 2 diabetes that require additional functionality.	Type 2 diabetes (enhanced functionality)	
			First Line	Second Line
			AgaMatrix – AgaMatrix Agile	AgaMatrix – WaveSense JAZZ AgaMatrix – WaveSense JAZZ Wireless GlucoRx – GlucoRx Nexus Blue
			Type 2 diabetes Paediatrics	
			First Line	Second Line
			Connect 2 Pharma – On Call Extra Mobile and On Call Extra Voice	GlucoRx – GlucoRx Nexus Blue
			Type 2 diabetes (Gestational diabetes - GDm-Health™)	
			First Line	Second Line
AgaMatrix – AgaMatrix Agile Connect 2 Pharma – On Call Extra Mobile	AgaMatrix – WaveSense JAZZ wireless			
4	Type 1 and 2 diabetes	Lancets which are suitable for the majority of people, and which are suitable for people that require additional functionality.	All lancets / lancet devices provided with the recommended meters / testing strips	


Category 1a & 1b - Type 1 diabetes or ketosis prone Type 2 diabetes


The following meters and strips are suitable for the majority of people with Type 1 diabetes or ketosis prone type 2 diabetes which need to monitor their blood ketone and blood glucose levels and includes meters and strips with [additional functionality](#).

Category	Meter	Key Features		Blood Glucose Test Strips (£)	Ketone Test Strips (£)
1a & 1b <u>All patient cohorts requiring enhanced functionality</u>	A. Menarini Diagnostics GlucoFix Tech GK 	Connectivity	QuickLink NFC, Bluetooth and dedicated USB cable	GlucoFix Tech Sensors Test Strips £5.95 Pack/50	GlucoFix Tech B-Ketone Sensors Test Strips £9.95 Pack/10 Available May 2023
		Applications	Glucolog Lite, Glucolog Web & RapidCalc Bolus Advice App, Glooko and Diasend		
		Warnings	Hypo/Hyper alert up to six settable acoustic alarms (3 Glucose Alarms & 3 Ketone Alarms)		
		Alerts	Hypo & Hyper Alerts & four markers available		
		Sample Size	0.5µL- Glucose / 0.8 µL- Ketone		
		Reaction time	5 Seconds- glucose/ 8 Seconds- ketone		
		Display	Large, bright display, 4.8cm x 4cm		
		Meter size	10.7cm x 5.8cm x 1.35cm		
		Technical Support	www.glucomen.co.uk/glucofix-tech		
		Other features	No coding needed, Meal markers, Extra-large memory, Strip ejector, Averages 1, 7, 14, 30, 60, 90 days		
		<u>Recommended Cohorts</u>	<ul style="list-style-type: none"> ○ Carbohydrate Counting ○ Cognitive Impairment ○ Dexterity ○ Group 2 Driver ○ Learning Difficulties ○ No Fixed Abode ○ Paediatrics ○ Unable to read English ○ Visually Impaired 		

Category	Meter	Key Features		Blood Glucose Test Strips (£)	Ketone Test Strips (£)
1a	Glucorx HCT 	Connectivity	Smart phone connectivity to 'Glucorx Voyager.' USB cable for free Windows software: 'Glucorx HealthCare Management System' & 'Glucorx Voyager.' Glucorx meter and Voyager are integrated with (I) Apple Health app (II) 'Vision'	Glucorx HCT Glucose Test Strips £8.95 Pack/50	Glucorx HCT Ketone Test Strips £9.95 Pack/10
		Applications	Diasend®/Glooko® and Eclipse Remote Platform (https://www.eclipselive.org)		
		Warnings	<ul style="list-style-type: none"> ○ High & Low results ○ Ketone warning with glucose results $\geq 15\text{mmol/L}$ ○ High/Low temperature ○ Low battery 		
		Alerts	Error messages for used test strip insertion, Problem in Operation, Premature strip removal, Insufficient blood volume		
		Sample Size	1.0 μl		
		Reaction time	5 seconds for glucose test/10 seconds for ketone test		
		Display	<ul style="list-style-type: none"> ○ Large backlit screen, large numbers 		
		Meter size	96 (L) x 61 (W) x 26 (H) mm		
		Technical Support	www.glucorx.co.uk		
		Other features	<ul style="list-style-type: none"> ○ Auto QC tagging ○ Day averages ○ Discreet testing ○ Haematocrit Correction Technology ○ Meal markers ○ Strip ejector ○ 4 alarms 		


Category	Meter	Key Features		Blood Glucose Test Strips (£)	Ketone Test Strips (£)
1a	GlucorX KEYA Smart 	Connectivity	USB cable; Bluetooth and smart phone connectivity to FREE KEYA app	KEYA Test Strips £15.86 Pack/50	N/A Measures glucose and ketones during every test
		Applications	Diasend®/Glooko® and Eclipse Remote Platform https://www.eclipselive.org		
		Warnings	<ul style="list-style-type: none"> ○ High & Low results ○ Ketones detected in blood sample over 0.1 mmol/L ○ High/Low temperature ○ Low battery 		
		Alerts	Error messages for hardware & software errors, used test strip insertion, timeout error, premature strip removal, partial fill/slow fill/strip fill errors		
		Sample Size	0.5µl		
		Reaction time	5 seconds		
		Display	Large, backlit screen, colour touchscreen colour graphic icons.		
		Meter size	58mm x 105mm x 14mm		
		Technical Support	www.glucorx.co.uk		
		Other features	<ul style="list-style-type: none"> ○ Day averages, ○ Discreet testing ○ Meal markers ○ Multiple language option 		


Category	Meter	Key Features		Blood Glucose Test Strips (£)	Ketone Test Strips (£)
1a & 1b <u>All patient cohorts requiring enhanced functionality</u>	Nipro Diagnostics 4SURE Smart Duo 	Connectivity	USB cable and Bluetooth	4SURE Test Strips £8.99 Pack/50	B 4SURE beta-ketone Test Strips £9.92 Pack/10
		Applications	Diabetes: M, Glooko & Diasend		
		Warnings	High and low glucose and ketone levels		
		Alerts	Error messages, high and low glucose, and ketone levels		
		Sample Size	0.5µL (0.8 µL for β-ketone tests)		
		Reaction time	Glucose up to 5 seconds, Ketone up to 10 seconds		
		Display	A clear large backlit display		
		Meter size	(L x W x H) 9 x 1.8 x 5.8 cm		
		Technical Support	https://www.nipro-diagnostics.co.uk/		
		Other features	<ul style="list-style-type: none"> ○ A memory that holds 1,000 results ○ Carbohydrate Counting ○ Pre/post meal markers ○ Strip ejector button and light ○ Suitable for gestational people with diabetes ○ Strip port indication light ○ 3: 7,14,30, 60, 90-day test averaging tool 		
<u>Recommended Cohorts</u>	<ul style="list-style-type: none"> ○ Cognitive Impairment ○ Dexterity ○ Group 2 Driver ○ Learning Difficulties ○ No Fixed Abode ○ Paediatrics ○ Unable to read English ○ Visually Impaired 				


Category	Meter	Key Features		Blood Glucose Test Strips (£)	Ketone Test Strips (£)
1a	Spirit Health CareSens Dual 	Connectivity	Bluetooth and USB/Smartphone	CareSens PRO Test Strips £9.95 Pack/50	KetoSens Test Strips £9.95 Pack/10
		Applications	<ul style="list-style-type: none"> ○ Diasend ○ Glooko ○ Smart Log ○ Hedia 		
		Warnings	<ul style="list-style-type: none"> ○ Temperature ○ High-low result ○ Low battery ○ Meter fault ○ Bluetooth connectivity fault ○ Electronic error fault 		
		Alerts	<ul style="list-style-type: none"> ○ Used Test Strip, ○ blood or control solution applied incorrectly ○ high viscosity blood sample or insufficient volume ○ incorrect test strip used 		
		Sample Size	0.4µl blood glucose and KetoSens minimum 0.5ul		
		Reaction time	5 seconds CareSens PRO test strips 8 seconds KetoSens test strips		
		Display	Large, digital screen display		
		Meter size	106 x 58 x 17 mm		
		Technical Support	www.spirit-health.co.uk/diabetes/blood-glucose-meters		
		Other features	<ul style="list-style-type: none"> ○ A clear, large backlit display ○ A memory that holds 1,000 results ○ Four alarms (three timed, one post-meal alarm) ○ Pre/post meal markers ○ Self-coding for accurate testing ○ Strip ejector button ○ Three simple buttons ○ 1,7,14,30,90-day test averaging tool 		


Category 2 - Type 2 diabetes


Meters and strips which are suitable for the majority of people with Type 2 diabetes (that do not require additional functionality).


Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	AgaMatrix	<p>Agile</p>  <p>Due to launch July 2023</p>	Connectivity	Bluetooth	<p>AgaMatrix Agile Test Strips</p> <p>£5.99 Pack/50</p>
			Applications	<ul style="list-style-type: none"> AgaMatrix diabetes manager app ALLY diabetes patient management system GDM-Health Diasend Glooko Apple Health My mHealth Social Diabetes 	
			Warnings	<ul style="list-style-type: none"> ○ Low/dead battery ○ Temperature ○ Faulty strip 	
			Alerts	High and Low level results	
			Sample Size	0.5µL	
			Reaction time	5 seconds	
			Display	LED	
			Meter size	6.5 x 3.0 x 1.0 cm	
			Technical Support	www.agamatrix.co.uk	
			Other Features	<ul style="list-style-type: none"> ○ Auto-synchronisation ○ Auto-detection of QC ○ Fasting tag ○ Kit contents: 10 strips, 10 lancets, 2 spare batteries, control solution ○ Simple pairing 	


Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	A. Menarini Diagnostics	GlucoFix Tech GK 	Connectivity	QuickLink NFC, Bluetooth and dedicated USB cable	GlucoFix Tech Sensors Test Strips Pack/50 £5.95
			Applications	Glucolog Lite, Glucolog Web & RapidCalc Bolus Advice App, Glooko and Diasend	
			Warnings	<ul style="list-style-type: none"> ○ Hypo/Hyper Alert ○ Up to six settable acoustic alarms (3 Glucose Alarms & 3 Ketone Alarms) 	
			Alerts	Hypo & Hyper Alerts & four markers available	
			Sample Size	0.5µL	
			Reaction time	5 Seconds	
			Display	Large, bright display, 4.8cm x 4cm	
			Meter size	10.7cm x 5.8cm x 1.35cm	
			Technical Support	www.glucomen.co.uk/glucofix-tech	
			Other Features	<ul style="list-style-type: none"> ○ Averages 1, 7, 14, 30, 60, 90 days ○ Extra-large memory ○ No coding needed ○ Meal markers ○ Strip ejector 	


Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	Ascensia		Connectivity	Bluetooth, USB Cable, Smart phone connectivity	Contour Plus Test Strips £5.95 Pack/50
			Applications	Contour® Diabetes App, GlucoContro.online, Glooko® (formerly Diasend®), Tidepool and Diabetes My Way	
			Warnings	Lo and Hi warnings if the reading is outside the measurement range. (0.6mmol/L to 33.3mmol/L)	
			Alerts	Alarm reminders can be set for 30, 60, 90 and 120 minutes	
			Sample Size	0.6µL	
			Reaction time	5 Seconds	
			Display	Large easy to read display which incorporates the smartCOLOUR® target range indicator	
			Meter size	78.5mm x 56.0mm x 18mm	
			Technical Support	https://www.diabetes.ascensia.co.uk/support	
			Other Features	<ul style="list-style-type: none"> ○ Alternate site testing ○ Easy to use with tactile rubber buttons on the front of the meter ○ Large memory (800 readings) ○ Meal markers (fasting, pre and post meal) ○ Second Chance Sampling ○ Suitable for use with renal dialysis ○ Wide haematocrit range (0%-70%) 	

Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	Connect 2 Pharma	<p>On Call Extra Mobile</p> 	Connectivity	Bluetooth	<p>On Call Extra Test Strips</p> <p>£5.20 Pack/50</p>
		Applications	On Call® Diabetes Management Software and Glooko® (formerly Diasend®)		
		Warnings	Hyper, Hypo, Ketone		
		Alerts	Five daily test reminders		
		Sample Size	0.4 µL		
		Reaction time	4 seconds		
		Display	50 mm x 25 mm		
		Meter size	75 mm × 40 mm × 13 mm		
		Technical Support	www.oncallmeters.co.uk		
		Other features	<ul style="list-style-type: none"> ○ Easy to use with a large clear screen ○ Meal markings ○ No coding, easy strip insertion ○ Small and convenient ○ Soft touch buttons 		

Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	GlucorX	GlucorX Q 	Connectivity	Smart phone connectivity to free 'GlucorX Voyager.' USB cable for free Windows software: 'GlucorX HealthCare Management System' & 'GlucorX Voyager.' GlucorX meter and Voyager are integrated with (I) Apple Health app (II) 'Vision'	GlucorX Q Test Strips £5.45 Pack/50
			Applications	Diasend®/Glooko® and Eclipse Remote Platform (https://www.eclipselive.org)	
			Warnings	<ul style="list-style-type: none"> ○ High & Low results ○ High/Low temperature ○ Low battery 	
			Alerts	<ul style="list-style-type: none"> ○ Error messages for Used test strip insertion, ○ Problem in Operation, ○ Premature strip removal, ○ Insufficient blood volume 	
			Sample Size	0.7µl	
			Reaction time	7 seconds	
			Display	Backlit screen Large numbers	
			Meter size	93(L) x 36(W) x 21.3(H) mm	
			Technical Support	www.glucorx.co.uk	
			Other features	<ul style="list-style-type: none"> ○ Alternative Site Testing ○ Day averages ○ Discreet testing ○ Meal markers ○ 4 Alarms 	


Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	Neon Diagnostics	Finetest Lite 	Connectivity:	Bluetooth, USB Cable & Smart phone connectivity	Finetest Lite test strips £5.95 Pack/50
			Applications	<ul style="list-style-type: none"> ○ Glooko Mobile App ○ Diasend Uploader ○ Finetest Lite Ap 	
			Warnings	<ul style="list-style-type: none"> ○ Inserting used strips, ○ Low blood volume, ○ Low battery, ○ High/low temperature ○ Operation issues 	
			Alerts	<ul style="list-style-type: none"> ○ Hypo and Hyper Alerts ○ Three Meal Markers ○ Five programmable alarm 	
			Sample Size	0.5 µL	
			Reaction time	5 seconds	
			Display	Large easy to read high contrast display	
			Meter size	83mm x 56mm x 17mm	
			Technical Support	www.neondiagnosics.co.uk	
			Other features	<ul style="list-style-type: none"> ○ One-Step Bluetooth pairing ○ Unlimited memory ○ Auto Strip Ejector ○ Easy to use buttons ○ No coding needed ○ Programable average readings ○ Alternate site testing 	


Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	Spirit Health	<p>CareSens S Fit BT</p>  <p>Due to launch June 2023</p>	Connectivity	<ul style="list-style-type: none"> ○ Bluetooth ○ USB/Smartphone 	CareSens S test strips £5.45 Pack/50
			Applications	<ul style="list-style-type: none"> ○ Diasend ○ Glooko ○ Smart Log 	
			Warnings	<ul style="list-style-type: none"> ○ Temperature ○ High & low results ○ Low battery ○ Meter fault ○ Bluetooth connectivity fault ○ Electronic error fault 	
			Alerts	<ul style="list-style-type: none"> ○ Used Test Strip ○ Blood or control solution applied incorrectly ○ High viscosity blood sample or insufficient volume ○ Incorrect test strip used 	
			Sample Size	Minimum 0.5µl	
			Reaction time	6 seconds	
			Display	Large, digital screen display	
			Meter size	95 x 49 x 17.5 mm	
			Technical Support	https://www.spirit-health.co.uk/diabetes/blood-glucose-meters	
			Other features	<ul style="list-style-type: none"> ○ Normal range, hypoglycaemia & hyperglycaemia indicator ○ Strip expiration date indicator ○ 1, 7, 14, 30, 90-day test averages ○ Pre-meal, Post-meal, Fasting, No-mark flagging 	


Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	Trivida	TRUE Metrix Air 	Connectivity	Bluetooth & USB	True Metrix test strips £5.95 Pack/50
			Applications	Diasend Mobile, Diasend Uploader, TRUE Manager Air, TRUE Manager	
			Warnings	High & Low Results	
			Alerts	Ketone Reminder	
			Sample Size	0.5µL	
			Reaction time	4 seconds	
			Display	Large display - 40x33mm	
			Meter size	87x55x17mm	
			Technical Support	customer care@trividahealth.co.uk	
			Other features	<ul style="list-style-type: none"> ○ Automatic Control Solution Marker ○ Alternate site testing ○ Event tagging ○ Four testing reminder alarm ○ Memory 1,000 tests ○ Soft touch casing to improve grip ○ Strip release button ○ Wide haematocrit range ○ 7-, 14-, 30-, 60- and 90- day averaging 	


Category 3 - Type 2 diabetes (additional functionality)


The following meters and strips are suitable for people who may benefit from [additional functionality](#) to help better support them in their diabetes management. These meters and strips have been assigned the recommended cohorts and are either first or second line.


Category	Supplier	Meter	Key Features		Recommended patient cohorts	Blood Glucose Test Strips (£)
First line recommendation						
3	AgaMatrix	<p style="text-align: center;">Agile</p>  <p style="text-align: center;">Due to launch July 2023</p>	Connectivity	Bluetooth	<ul style="list-style-type: none"> ○ Cognitive Impairment ○ Carbohydrate counting ○ Dexterity ○ Gestational diabetes requiring GDM-Health™ app compatibility ○ Group 2 Driver ○ Learning Difficulties ○ No Fixed Abode ○ Unable to read English ○ Visually Impaired 	<p>AgaMatrix Agile Test Strips</p> <p style="text-align: center;">£5.99 Pack/50</p>
			Applications	AgaMatrix diabetes manager app ALLY diabetes patient management system GDM-Health, Diasend, Glooko Apple Health, My mHealth Social Diabetes		
			Warnings	<ul style="list-style-type: none"> ○ Low/dead battery ○ Temperature ○ Faulty strip 		
			Alerts	High and Low		
			Sample Size	0.5µL		
			Reaction time	5 seconds		
			Display	LED		
			Meter size	6.5 x 3.0 x 1.0 cm		
			Technical Support	www.agamatrix.co.uk		
			Other Features	<ul style="list-style-type: none"> ○ Auto-detection of control solution ○ Auto-synchronisation ○ Fasting tag ○ Simple pairing 		


Category	Supplier	Meter	Key Features		o Recommended patient cohorts	Blood Glucose Test Strips (£)
First line recommendation						
3	Connect 2 Pharma	On Call Extra Mobile 	Connectivity	Bluetooth enabled	o Gestational diabetes requiring GDm-Health™ app compatibility	On Call Extra Test Strips £5.20 Pack/50
			Applications	Diasend GHCP portal On Call® Diabetes Management Software		
			Warnings	Hyper, Hypo, Ketone		
			Alerts	Five daily test reminders		
			Sample Size	0.4 µL		
			Reaction time	4 seconds		
			Display	Large screen, easy press buttons		
			Meter size	75 mm × 40 mm × 13 mm		
			Technical Support	www.oncallmeters.co.uk		
Other Features	<ul style="list-style-type: none"> o Audible fill detection o Easy insert strip port o Five customizable test reminders o Re-dosing capability within 3 seconds o Small and convenient o Soft touch buttons o 7, 14, 30, 60 and 90-day averages o Helpful meal markers 					

Category	Supplier	Meter	Key Features		o Recommended patient cohorts	Blood Glucose Test Strips (£)
First line recommendation						
3	Connect 2 Pharma	On Call Extra 	Connectivity	USB download capability	o Paediatrics	On Call Extra Test Strips £5.20 Pack/50
			Applications	On Call® Diabetes Management Software		
			Warnings	Hyper, Hypo, Ketone		
			Alerts	Five daily test reminders		
			Sample Size	0.4 µL		
			Reaction time	4 seconds		
			Display	Large display with bold numbers		
			Meter size	81 mm × 48 mm × 16 mm		
			Technical Support	www.oncallmeters.co.uk		
			Other Features	<ul style="list-style-type: none"> o Audible fill detection o Easy insert strip port o Re-dosing capability within 3 seconds o Strip ejector o Soft touch buttons o Audible fill detection o 7, 14, 30, 60, and 90 day averaging 		

Category	Supplier	Meter	Key Features		Recommended patient cohorts	Blood Glucose Test Strips (£)
First line recommendation						
3	Connect 2 Pharma	On Call Extra Voice 	Connectivity	USB download capability	o Paediatrics	On Call Extra Test Strips £5.20 Pack/50
			Applications	On Call® Diabetes Management Software		
			Warnings	Hyper, Hypo, Ketone		
			Alerts	Five daily test reminders		
			Sample Size	0.4 µL		
			Reaction time	4 seconds		
			Display	39 mm x 42 mm		
			Meter size	100 mm x 61 mm x 24 mm		
			Technical Support	www.oncallmeters.co.uk		
			Other Features	<ul style="list-style-type: none"> o Re-dosing capability within 3 seconds o strip ejector o soft touch buttons o easy insert strip port o Audio Guidance o Audible fill detection 		

Category	Supplier	Meter	Key Features		Recommended patient cohorts	Blood Glucose Test Strips (£)
Second line recommendation						
3	AgaMatrix	WaveSense JAZZ WIRELESS 	Connectivity	Bluetooth	<ul style="list-style-type: none"> ○ Cognitive Impairment ○ Carbohydrate counting ○ Dexterity ○ Gestational diabetes requiring GDm-Health™ app compatibility ○ Group 2 Driver ○ Learning Difficulties ○ No Fixed Abode ○ Unable to read English ○ Visually Impaired 	WaveSense JAZZ Test Strips £8.74 Pack/50
			Applications	AgaMatrix diabetes manager app ALLY diabetes patient management system, GDm-Health Diasend, Glooko, Apple Health, My mHealth, Social Diabetes		
			Warnings	<ul style="list-style-type: none"> ○ Faulty strip ○ Low/dead battery ○ Temperature 		
			Alerts	High and Low results		
			Sample Size	0.5µL		
			Reaction time	5 seconds		
			Display	LED		
			Meter size	6.5 x 3.0 x 1.0 cm		
			Technical Support	www.agamatrix.co.uk		
			Other Features	<ul style="list-style-type: none"> ○ Auto-detection of QC ○ Auto-synchronisation ○ Simple pairing 		

Category	Supplier	Meter	Key Features		Recommended patient cohorts	Blood Glucose Test Strips (£)
Second line recommendation						
3	AgaMatrix	WaveSense JAZZ 	Connectivity	Cable	<ul style="list-style-type: none"> ○ Cognitive Impairment ○ Carbohydrate counting ○ Dexterity ○ Group 2 Driver ○ Learning Difficulties ○ No Fixed Abode ○ Unable to read English ○ Visually Impaired 	WaveSense JAZZ Test Strips £8.74 Pack/50
			Applications	ALLY Diabetes Patient Management System Diasend Glooko		
			Warnings	<ul style="list-style-type: none"> ○ Faulty strip ○ Low/dead battery ○ Temperature 		
			Alerts	Hyper and Hypo High and Low results Ketone		
			Sample Size	0.5µL		
			Reaction time	5 seconds		
			Display	Backlit LED		
			Meter size	4.6 x 8.3 x 2.0 cm		
			Technical Support	www.agamatrix.co.uk		
			Other Features	<ul style="list-style-type: none"> ○ Auto-detection of control solution ○ 7 meal-time tags ○ Meal averages and SD ○ 14-, 30- and 90-day averages ○ Rubber feet and grips 		

Category	Supplier	Meter	Key Features		Recommended patient cohorts	Blood Glucose Test Strips (£)
Second line recommendation						
3	GlucoRx	Nexus Blue 	Applications	Diasend®/Glooko® and Eclipse Remote Platform (https://www.eclipselive.org)	<ul style="list-style-type: none"> ○ Cognitive Impairment ○ Carbohydrate counting ○ Dexterity ○ Group 2 Driver ○ Learning Difficulties ○ No Fixed Abode ○ Paediatrics ○ Unable to read English ○ Visually Impaired 	GlucoRx Nexus Test Strips £8.95 Pack/50
			Warnings	<ul style="list-style-type: none"> ○ High- & Low results ○ Ketone warning with glucose results ≥15mmol/L ○ High/Low temperature ○ Low battery 		
			Alerts	<ul style="list-style-type: none"> ○ Error for used test strip insertion ○ Problem in Operation ○ Premature strip removal ○ Insufficient blood volume 		
			Sample Size	○ 0.5µl		
			Reaction time	5 seconds		
			Display	Large, backlit screen with large numbers		
			Meter size	96 (l) x 61 (w) x 26 (h) mm		
			Technical Support	www.glucorx.co.uk		
			Other Features	<ul style="list-style-type: none"> ○ AC/PC meal markers ○ Alternative site testing ○ Four alarms and discreet testing ○ No coding ○ Stores 1000 non-deletable readings with day averages ○ Strip ejection 		

Category 4 – Type 1 and 2 diabetes - Lancets

The following lancets are suitable for people with Type 1 and Type 2 diabetes including people who require [additional functionality](#).

Category	Supplier	Lancet Name	Size	Lancet (£)	Pack size
4	A. Menarini Diagnostics	Glucject Plus	0.22/33G	£3.77	100
	AgaMatrix	Comfort Twist	30G	£2.69	100
	AgaMatrix	WaveSense Ultra-Thin	0.2mm/33G & 0.35mm/28G	£5.43	200
	Ascensia	Microlet	0.5mm/28G	£2.99	100
	Connect 2 Pharma	On Call	30G	£2.75	100
	GlucorX	GlucorX	30G	£4.50	200
	GlucorX	GlucorX Safety	23G, 26G, 28G, & 30G	£5.50	100
	Glucose	Glucosezen	0.35mm/28G	£8.49	200
	Neon Diagnostics	Neon Verifine safety	28G x 1.8mm & 30G x 1.8mm	£2.99	100
	Neon Diagnostics	Greenlan	28G	£3.00	100
	Nipro Diagnostics	4SURE	0.32mm/30G & 0.195mm/33G	£2.90	100
	Spirit Health	CareSens	0.36mm/28G & 0.31mm/30G	£2.95	100
	Trividia	TRUEplus	0.36mm/28G, 0.32mm/30G & 0.195mm/33G	£2.90	100

Further Considerations

Local Formularies

It is the responsibility of Integrated Care Systems to develop a local formulary across primary and secondary care based upon the commissioning recommendations set out in this document

Standards

As a minimum, all recommended devices are compliant with the ISO Standard ISO 15197:2015, measure in mmol/l and provide plasma-calibrated meter readings only. No calibration or coding of meters is required, and they have a shelf-life ≥ 3 years.

Prices

All prices quoted in the commissioning recommendations are the prices contained within the drug tariff as of 1st April 2023, which can be subject to change. NHS England will continue to monitor the drug tariff prices to ensure they continue to deliver best value.

Supply of meters

Any patient newly diagnosed with diabetes should be assessed by a healthcare professional and supplied a suitable meter if self-monitoring of blood glucose is required. Training on the correct use, storage and interpretation of readings should be provided.

Note: All suppliers will provide, free of charge, the recommended meters, lancing devices, and ongoing free control solutions to all healthcare settings across England in primary care, secondary care and to service users.

People with diabetes already on treatment

Where people with diabetes are already using blood glucose or ketone meters that are not on the recommended list of products. These people should be offered an alternative meter at the earliest opportunity following a discussion with their healthcare professional.

Technical Support

All recommended suppliers will provide free technical support by a freephone telephone number, support material and meter training for both service users and healthcare professionals.

Review of commissioning recommendations

These commissioning recommendations will be reviewed annually to ensure they continue to deliver best value and to consider any changes to the supply market with both existing and new products.

Supplier Contact Details

Supplier	Contact Details
A. Menarini Diagnostics	Sam Maylott National ICS & HB Manager email: smaylott@menarinidiag.com Mobile: 07775585618
AgaMatrix	Mr Will Spencer email: wspencer@agamatrix.com Mobile: 07827320510
Ascensia	Kirsty Oliver - UK Head of Sales Mobile: 07950 128752 E-mail: kirsty.oliver@ascensia.com
Connect 2 Pharma	Nick Robinson Switchboard: 020 3307 4646 Mobile: 07968446969 Email: nick.robinson@connect2pharma.co.uk
GlucorX	Chris Chapman Chief Operating Officer E-mail: chris@glucorx.co.uk Tel: 01483 755133
Glucozen	Email: hardevkalsi.glucozen@gmail.com info@glucozen.com Mobile: 07858363699
Neon Diagnostics	Mr Alan Wheeler Email: alan@neondiagnosics.co.uk Mobile: 07860 265642 Office: 0800 009 3378
Nipro Diagnostics	Pamela Barrie Market Access and Sales Support Manager Mobile: 07341696020 Switchboard: 023 8060 4300 Email: pamela.barrie@nipro-group.com sales.support@nipro-group.com
Spirit	Alison-Jayne Myers Customer Services Manager Tel: 0800 8815423 Email: cs@spirit-healthcare.co.uk
Trividia	Steve Llewelyn International Diabetes Care Manager Mobile: 07810 084661 Email: slllewelyn@trividiahealth.co.uk