

**DERBYSHIRE JOINT AREA PRESCRIBING COMMITTEE
(JAPC)**

**Blood glucose and ketone meters, testing strips
and lancets formulary**

NHSE, in April 2023 undertook a detailed evaluation process to identify preferred blood glucose and ketone meters, testing strips and lancets. Using a national specification, both quality and cost were considered to develop the national recommendations. 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.

Based on national recommendations, JAPC has opted for 2 options per category. This is to ensure resilience in the supply chain.

In the table below are listed the **JAPC preferred options** for the patient categories. To see all the listed options please refer to the full [NHSE commissioning recommendations](#).

Category	Patient cohort	Meter	Blood glucose test strips (50 strips)	Ketone test strips (10 strips)	Lancets
1 a & b	Type 1 diabetes or ketosis prone Type 2 diabetes	GlucoFix Tech GK *additional functionality	GlucoFix Tech Sensors	GlucoFix Tech B-Ketone Sensors	Glucoject plus 0.22/33G
		GlucoRx HCT	GlucoRx HCT	GlucoRx HCT Ketone	GlucoRx 30G
2	Type 2 diabetes	On Call Extra Mobile	On Call Extra Test Strips		On Call 30G
		GlucoRx Q	GlucoRx Q Test Strips		GlucoRx 30G
3	Type 2 diabetes Meters and strips which are suitable for people with Type 2 diabetes that require additional functionality* See NHSE commissioning recommendations for further details				
4	Type 1 & 2 Diabetes Lancets which are suitable for the majority of people, and which are suitable for people that require additional functionality* See NHSE commissioning recommendations for further details				

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

- If either of the preferred options for categories 1 and 2 are not suitable, then any meter with blood glucose test strips costing **less than £9 for 50**, ketone testing strips **less than £10 for 10** and corresponding lancets costing **less than £4 per 100** are suitable for prescribing.


- **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.
- **Existing people with diabetes** - Where people with diabetes are already using 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.
- 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.
- 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. Local review of preferred options will take place following National review.
- Freestyle Libre 2/Dexcom One sensors are not considered in this document because they measure interstitial glucose rather than blood glucose.
- Patients on Insulin pumps will require the specific meter corresponding to the pump being used.

Included in appendices 1 & 2 are the JAPC preferred options for category 1 and 2.

Document control	Date

Appendix 1


Category 1a & 1b - Type 1 diabetes or ketosis prone Type 2 diabetes. JAPC preferred choices

Category	Meter	Key Features		Blood Glucose Test Strips (£)	Ketone Test Strips (£)
1a & 1b All patients' cohorts requiring enhanced functionality	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
		Applications	GlucoLog Lite, GlucoLog Web & RapidCalc Bolus advise, 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 		

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Category	Meter	Key Features		Blood Glucose Test Strips (£)	Ketone Test Strips (£)
1a	<p>GlucoRx HCT</p> 	<p>Connectivity</p> <p>Applications</p> <p>Warnings</p> <p>Alerts</p> <p>Sample Size</p> <p>Reaction time</p> <p>Display</p> <p>Meter size</p> <p>Technical Support</p> <p>Other features</p>	<p>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'</p> <p>Diasend®/Glooko® and Eclipse Remote Platform (https://www.eclipselive.org)</p> <ul style="list-style-type: none"> ○ High & Low results ○ Ketone warning with glucose results ≥ 15mmol/L ○ High/Low temperature ○ Low battery <p>Error messages for used test strip insertion, Problem in Operation, Premature strip removal, Insufficient blood volume</p> <p>1.0µl</p> <p>5 seconds for glucose test/10 seconds for ketone test</p> <ul style="list-style-type: none"> ○ Large backlit screen, large numbers <p>96 (L) x 61 (W) x 26 (H) mm</p> <p>www.glucorx.co.uk</p> <ul style="list-style-type: none"> ○ Auto QC tagging ○ Day averages ○ Discreet testing ○ Haematocrit Correction Technology ○ Meal markers ○ Strip ejector ○ 4 alarms 	<p>GlucoRx HCT Glucose Test Strips</p> <p>£8.95 Pack/50</p>	<p>GlucoRx HCT Ketone Test Strips</p> <p>£9.95 Pack/10</p>


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Appendix 2
Category 2 – Type 2 diabetes. JAPC preferred choices

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 x 40 mm x 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 	

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Category	Supplier	Meter	Key Features		Blood Glucose Test Strips (£)
2	Glucorx	<p>Glucorx Q</p> 	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'	<p>Glucorx Q Test Strips</p> <p>£5.45 Pack/50</p>
		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 		

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