

Operational note:

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

Version 1, 11 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 Spirit 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 Glucifix 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 | GlucioLog Lite, GlucioLog 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 | CareSens S Fit BT  Due to launch June 2023 | 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 | AgaMatrix Agile Test Strips £5.99 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"> ○ 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 | | ○ Recommended patient cohorts | Blood Glucose Test Strips (£) |
|----------------------------------|------------------|---|-------------------|---|-------------------------------|--|
| First line recommendation | | | | | | |
| 3 | Connect 2 Pharma | On Call Extra  | Connectivity | USB download capability | ○ 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"> ○ Audible fill detection ○ Easy insert strip port ○ Re-dosing capability within 3 seconds ○ Strip ejector ○ Soft touch buttons ○ Audible fill detection ○ 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 | AgaMatrix 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 |