

## Blood glucose monitoring

Blood glucose monitoring using a meter gives a direct measure of the glucose concentration at the time of the test and can detect hypoglycaemia as well as hyperglycaemia. Carers and children should be properly trained in the use of blood glucose monitoring systems and the appropriate action to take on the results obtained. Inadequate understanding of the normal fluctuations in blood glucose can lead to confusion and inappropriate action.

Children using multiple injection regimens should understand how to adjust their insulin dose according to their carbohydrate intake. With fixed-dose insulin regimens, the carbohydrate intake needs to be regulated, and should be distributed throughout the day to match the insulin regimen.

In the UK blood-glucose concentration is expressed in mmol/litre and Diabetes UK advises that these units should be used for self-monitoring of blood glucose. In other European countries units of mg/100 mL (or mg/dL) are commonly used.

It is advisable to check that the meter is pre-set in the correct units.

If the blood glucose level is high or if the child is unwell, blood ketones should be measured according to local guidelines in order to detect diabetic ketoacidosis. Children and their carers should be trained in the use of blood ketone monitoring systems and to take appropriate action on the results obtained, including when to seek medical attention.

**Other drugs used for Diabetes, diagnosis and monitoring**  
Glucose, p. 638

## Blood glucose testing strips

### • BLOOD GLUCOSE TESTING STRIPS

#### 4SURE testing strips (Nipro Diagnostics (UK) Ltd)

50 strip • NHS indicative price = £8.99 • Drug Tariff (Part IXr)

#### Accu-Chek Inform II testing strips (Roche Diagnostics Ltd)

50 strip • No NHS indicative price available • Drug Tariff (Part IXr)

#### Active testing strips (Roche Diabetes Care Ltd)

50 strip • NHS indicative price = £10.03 • Drug Tariff (Part IXr)

#### Advocate Redi-Code+ testing strips (Diabetes Care Technology Ltd)

50 strip • NHS indicative price = £9.95 • Drug Tariff (Part IXr)

#### AutoSense testing strips (Advance Diagnostic Products (NI) Ltd)

25 strip • NHS indicative price = £4.50 • Drug Tariff (Part IXr)

#### Aviva testing strips (Roche Diabetes Care Ltd)

50 strip • NHS indicative price = £16.21 • Drug Tariff (Part IXr)

#### BGStar testing strips (Sanofi)

50 strip • NHS indicative price = £14.73 • Drug Tariff (Part IXr)

#### Betachek C50 cassette (National Diagnostic Products)

100 device • NHS indicative price = £29.98 • Drug Tariff (Part IXr)

#### Betachek G5 testing strips (National Diagnostic Products)

50 strip • NHS indicative price = £14.19 • Drug Tariff (Part IXr)

#### Betachek Visual testing strips (National Diagnostic Products)

50 strip • NHS indicative price = £6.80 • Drug Tariff (Part IXr)

#### Breeze 2 testing discs (Bayer Plc)

50 strip • NHS indicative price = £15.00 • Drug Tariff (Part IXr)

#### CareSens N testing strips (Spirit Healthcare Ltd)

50 strip • NHS indicative price = £12.75 • Drug Tariff (Part IXr)

#### CareSens PRO testing strips (Spirit Healthcare Ltd)

50 strip • NHS indicative price = £9.95 • Drug Tariff (Part IXr)

#### Contour Next testing strips (Ascensia Diabetes Care UK Ltd)

50 strip • NHS indicative price = £15.16 • Drug Tariff (Part IXr)

#### Contour Plus testing strips (Ascensia Diabetes Care UK Ltd)

50 strip • NHS indicative price = £8.50 • Drug Tariff (Part IXr)

#### Contour TS testing strips (Ascensia Diabetes Care UK Ltd)

50 strip • NHS indicative price = £9.60 • Drug Tariff (Part IXr)

#### Contour testing strips (Ascensia Diabetes Care UK Ltd)

50 strip • NHS indicative price = £9.99 • Drug Tariff (Part IXr)

#### Dario Lite testing strips (LabStyle Innovations Ltd)

50 strip • NHS indicative price = £9.95 • Drug Tariff (Part IXr)

#### Dario testing strips (LabStyle Innovations Ltd)

50 strip • NHS indicative price = £14.95 • Drug Tariff (Part IXr)

#### Element testing strips (Neon Diagnostics Ltd)

50 strip • NHS indicative price = £9.89 • Drug Tariff (Part IXr)

#### Finetest Lite testing strips (Neon Diagnostics Ltd)

50 strip • NHS indicative price = £5.95 • Drug Tariff (Part IXr)

#### Fora Advanced pro GD40 testing strips (B.Braun Medical Ltd)

50 strip • NHS indicative price = £9.25 • Drug Tariff (Part IXr)

#### FreeStyle Lite testing strips (Abbott Laboratories Ltd)

50 strip • NHS indicative price = £16.41 • Drug Tariff (Part IXr)

#### FreeStyle Optium H testing strips (Abbott Laboratories Ltd)

100 strip • No NHS indicative price available • Drug Tariff (Part IXr)

#### FreeStyle Optium Neo H testing strips (Abbott Laboratories Ltd)

100 strip • No NHS indicative price available • Drug Tariff (Part IXr)

#### FreeStyle Optium testing strips (Abbott Laboratories Ltd)

50 strip • NHS indicative price = £16.30 • Drug Tariff (Part IXr)

#### FreeStyle Precision Pro testing strips (Abbott Laboratories Ltd)

100 strip • No NHS indicative price available • Drug Tariff (Part IXr)

#### FreeStyle testing strips (Abbott Laboratories Ltd)

50 strip • NHS indicative price = £16.40 • Drug Tariff (Part IXr)

#### GlucO testing strips (Neon Diagnostics Ltd)

50 strip • NHS indicative price = £9.89 • Drug Tariff (Part IXr)

#### GlucODock testing strips (Medisana Healthcare (UK) Ltd)

50 strip • NHS indicative price = £14.90 • Drug Tariff (Part IXr)

#### GlucOlab testing strips (Neon Diagnostics Ltd)

50 strip • NHS indicative price = £9.89 • Drug Tariff (Part IXr)

#### GlucOmen LX Sensor testing strips (A. Menarini Diagnostics Ltd)

50 strip • NHS indicative price = £15.76 • Drug Tariff (Part IXr)

#### GlucOmen areo Sensor testing strips (A. Menarini Diagnostics Ltd)

50 strip • NHS indicative price = £9.95 • Drug Tariff (Part IXr)

#### GlucORx GO Professional testing strips (GlucORx Ltd)

50 strip • NHS indicative price = £9.95 • Drug Tariff (Part IXr)

#### GlucORx GO testing strips (GlucORx Ltd)

50 strip • NHS indicative price = £9.95 • Drug Tariff (Part IXr)

#### GlucORx HCT Glucose testing strips (GlucORx Ltd)

50 strip • NHS indicative price = £8.95 • Drug Tariff (Part IXr)

#### GlucORx Nexus testing strips (GlucORx Ltd)

50 strip • NHS indicative price = £8.95 • Drug Tariff (Part IXr)

#### GlucORx Q testing strips (GlucORx Ltd)

50 strip • NHS indicative price = £5.45 • Drug Tariff (Part IXr)

#### GlucOzen auto testing strips (GlucOzen Ltd)

50 strip • NHS indicative price = £7.64 • Drug Tariff (Part IXr) 100 strip • NHS indicative price = £10.85 • Drug Tariff (Part IXr)

#### GlucOflex-R testing strips (Bio-Diagnostics Ltd)

50 strip • NHS indicative price = £6.75 • Drug Tariff (Part IXr)

#### Guide testing strips (Roche Diabetes Care Ltd)

50 strip • NHS indicative price = £16.21 • Drug Tariff (Part IXr)

#### IME-DC testing strips (Arctic Medical Ltd)

50 strip • NHS indicative price = £14.10 • Drug Tariff (Part IXr)

#### Kinetik Wellbeing testing strips (Kinetik Medical Devices Ltd)

50 strip • NHS indicative price = £8.49 • Drug Tariff (Part IXr) 100 strip • NHS indicative price = £13.98 • Drug Tariff (Part IXr)

#### MODZ testing strips (Modz Oy)

50 strip • NHS indicative price = £14.00 • Drug Tariff (Part IXr)

#### MediSense SoftSense testing strips (Abbott Laboratories Ltd)

50 strip • NHS indicative price = £15.05 • Drug Tariff (Part IXr)

#### MediTouch 2 testing strips (Medisana Healthcare (UK) Ltd)

50 strip • NHS indicative price = £12.49 • Drug Tariff (Part IXr)

#### MediTouch testing strips (Medisana Healthcare (UK) Ltd)

50 strip • NHS indicative price = £14.90 • Drug Tariff (Part IXr)

#### Mendor Discreet testing strips (SpringMed Solutions Ltd)

50 strip • NHS indicative price = £14.75 • Drug Tariff (Part IXr)

#### Microdot Max testing strips (Cambridge Sensors Ltd)

50 strip • NHS indicative price = £7.49 • Drug Tariff (Part IXr)

#### Microdot+ testing strips (Cambridge Sensors Ltd)

50 strip • NHS indicative price = £9.49 • Drug Tariff (Part IXr)

#### Mobile cassette (Roche Diabetes Care Ltd)

50 device • NHS indicative price = £9.99 • Drug Tariff (Part IXr)

#### Myglucosehealth testing strips (Entra Health Systems Ltd)

50 strip • NHS indicative price = £15.50 • Drug Tariff (Part IXr)