Company:	Abbott Diabetes Care (formerly known as MediSense)				Bayer Diagnostics			DiagnoSys Medical	HemoCue	LifeScan	Menarini Diagnostics	Roche Diagnostics			
Glucose meter:	**Precision PCx**	**Optium**	**Optium Xceed**	**TheraSense FreeStyle**	**Ascensia Esprit 2**	**Ascensia Breeze**	**Ascensia Contour**	**TrueTrack**	**Glucose 201+ analyser**	**OneTouch Ultra**	**GlucoMen PC**	**Accu-Chek Active**	**Accu-Chek Advantage II**	**Accu-Chek Aviva**	**Accu-Chek Compact Plus**
															
Test strips:	Precision PCx Plus test strips	MediSense Optium Plus test strips	MediSense Optium Plus Blood Glucose test strips	FreeStyle test strips	Ascensia GlucoDisc test sensor discs (10 strips/disc)	Ascensia AutoDisc test sensor discs (10 strips/disc)	Ascensia Microfill test strips	TrueTrack Smart System Blood Glucose test strips	HemoCue Glucose 201 microcuvettes	OneTouch Ultra test strips	GlucoMen sensors	Accu-Chek Active Glucose test strips	Accu-Chek Advantage II test strips	Accu-Chek Aviva test strips	Accu-Chek Compact test strips (17 strips/drum)
Sample type:	Capillary venous, arterial or neonatal	Capillary venous, arterial or neonatal	Capillary	Capillary	Capillary	Capillary	Capillary venous, arterial or neonatal	Capillary	Capillary venous, arterial or neonatal	Capillary	Capillary	Capillary venous, arterial or neonatal	Capillary venous, arterial or neonatal	Capillary	Capillary
Result type:	Plasma calibrated	Plasma calibrated	Plasma calibrated	Plasma calibrated	Whole blood calibrated	Whole blood calibrated	Whole blood calibrated	Plasma calibrated	Whole blood calibrated	Plasma calibrated	Plasma calibrated	Whole blood calibrated	Whole blood calibrated	Whole blood calibrated	Whole blood calibrated
Calibration:	Use barcode reader to scan barcode printed on foil wrapping of test strip	Manually insert calibrator electrode	Manually insert calibrator electrode	Manually enter code number	Manually enter calibration code	Automatic reading of autocalibration label printed on each AutoDisc	Automatic reading of calibration information printed on each test strip	Manually insert code chip	None required	Manually enter calibration code	Manually enter code number	Manually insert code chip	Manually insert code chip	Manually insert code chip	Automatic reading of barcode printed on drum
Sample volume:	2.5 µL	2.5 µL	1.5 µL	0.3 µL	2 - 3 µL	2.5 - 3.5 µL	0.6 µL	1 µL	5 µL	1 µL	4 µL	2 µL	4 µL	0.6 µL	1.5 µL
Measurement time:	20 secs	20 secs	10 secs	Approx. 15 secs	30 secs	30 secs	15 secs	10 secs	40 - 240 secs depending on glucose level	5 secs	30 secs	5 secs	26 secs	5 secs	5 secs
Measurement range:	1.1 - 27.8 mmol/L	1.1 - 27.8 mmol/L	1.1 - 27.8 mmol/L	1.1 - 27.8 mmol/L	0.6 - 33.3 mmol/L	0.6 - 33.3 mmol/L	0.6 - 33.3 mmol/L	1.1 - 33.3 mmol/L	0 - 22.2 mmol/L	1.1 - 33.3 mmol/L	1.1 - 33.3 mmol/L	0.6 - 33.3 mmol/L	0.6 - 33.3 mmol/L	0.6 - 33.3 mmol/L	0.6 - 33.3 mmol/L
Haematocrit range:	20 - 70% < 16.7 20 - 60% > 16.7	20 - 70% < 11.0 20 - 60% > 11.0	30 - 60%	0 - 60%	30 - 60%	20 - 55% < 16.7 25 - 55% > 16.7	20 - 60% < 11.1 20 - 55% > 11.1 20 - 70% for 0.6 - 6.7 in neonates	30 - 55%	No limitations related to haematocrit	30 - 55%	25 - 50%	30 - 55% with in-meter dosing 20 - 70% with out-of-meter dosing	20 - 65% < 11.1 25 - 55% > 11.1	20 - 70%	20 - 65%
Interferences & limitations:	Hyperosmolar hyperglycaemia	Hyperosmolar hyperglycaemia	Hyperosmolar hyperglycaemia	Hyperosmolar hyperglycaemia Maltose, poly- or oligosaccharides in certain human immunoglobulins, galactose, icodextrin	Hyperosmolar hyperglycaemia	Hyperosmolar hyperglycaemia	Hyperosmolar hyperglycaemia Maltose, poly- or oligosaccharides in certain human immunoglobulins, galactose, icodextrin	Hyperosmolar hyperglycaemia	Hyperosmolar hyperglycaemia	Hyperosmolar hyperglycaemia & oxygen therapy	Hyperosmolar hyperglycaemia	Hyperosmolar hyperglycaemia Maltose, poly- or oligosaccharides in certain human immunoglobulins, galactose, icodextrin			
Alternative site testing:	No	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Yes
Other information:	Healthcare professional use only	Whole blood ketone test strips also available		FreeStyle Mini available 7 secs measurement time			Home and professional use		Microcuvettes require storage at 2 - 8 °C. Professional use	OneTouch UltraSmart incorporates an electronic logbook		Out-of-meter sample application required for neonatal use	Home and professional use		
MHRA evaluation report:	MHRA 04115	MDA 02070	Pending 2005	MDA 02049	MDA 02169	MHRA 03091	MHRA 04017	MHRA 04100	MDD/91/45 (Evaluation report produced for earlier version of meter)	MDA 01126	MDA 02006	MDA 01132	MDA 01133	To be published in Summer 2005	To be published in Summer 2005

EVALUATION