









2012 Comparison of blood glucose monitoring devices

System	CareSens II	CareSens N	CareSens N POP	Accu-Chek Performa*	FreeStyle Optium
					
Meter subsidy	Fully subsidised from 1 September 2012			Subsidised until 30 November 2012	Subsidised until 30 November 2012 for testing blood glucose Continued subsidy for ketone testing only from 1 December 2012
Supplier (Manufacturer)	Pharmaco (i-Sens Corp)			Roche Diagnostics	Medica Limited (Abbott Diabetes Care)
Test strip type	CareSens	CareSens N	CareSens N	Accu-Chek Performa advanced chemistry	FreeStyle Optium
Calibration	Manual input	No-calibration required	No-calibration required	Automatic via code chip	No-calibration required
Test strip subsidy	Fully subsidised beyond 1 March 2013			Subsidised until 28 February 2013 Subsidised from 1 March 2013 for patients using an Accu-Chek Combo insulin pump before 1 June 2012	Subsidised until 28 February 2013 Subsidised from 1 March 2013 for patients using the meter for testing both blood ketones and blood glucose before 1 June 2012
Insufficient Sample	Error message			Error message	Will not start
Sample type	Capillary			Capillary, Venous, Neonatal, Arterial	Capillary
Strip Expiry detection	None	None	Error message (available)	Error message	None
Ketone Testing	X	X	X	X	✓
Meter memory	250 tests	250 tests	500 tests	500 tests	450 tests
Day Average	14 days	14 days	1, 7, 14, 30, 90 Day Average	7, 14, 30 Day Average	7, 14, 30 Day Average
Back lighting	X	X	✓	X	✓
Measurement range	1.1-33.3 mmol/L			0.6-33.3 mmol/L	1.1-27.8 mmol/l
Operation Temperature	10° - 40° C			8° - 44° C	10° - 50° C
Battery Error Signal	Indicator for low battery			Error message and indicator for low battery	Indicator for low battery
Software	PC Care			AC SmartPix, AC 360, AC Compass, AC Pocket Compass	CoPilot
Website	www.caresens.co.nz			www.accu-chek.co.nz	www.medica.co.nz
Customer Support	Health Care Professionals: 0508 CARESENS - 0508 22 73 73 Patients: 0800 GLUCOSE- 0800 45 82 67			HCP: 0800 22 22 14 Patients: 0800 80 22 99	0800 106 100

2012 Comparison of blood glucose monitoring devices

System	FreeStyle Lite	On Call Advanced	CareSens POP
			
Meter subsidy	Subsidised until 30 November 2012	Subsidised until 30 November 2012	Subsidised until 30 September 2012
Supplier (Manufacturer)	Medica Limited (Abbott Diabetes Care)	Airflow Products (Acon Laboratories)	Pharmaco (i-Sens Corp)
Test strip type	FreeStyle Lite	On Call Advanced	CareSens
Calibration	No-calibration required	Automatic via code chip	Manual input
Test strip subsidy	Subsidised until 28 February 2013	Subsidised until 28 February 2013	Fully subsidised beyond 1 March 2013
Insufficient Sample	Will not start	Error message	Error message
Sample type	Capillary, Venous	Capillary, Venous, Neonatal, Arterial	Capillary
Strip Expiry detection	None	None	None
Ketone Testing	X	X	X
Meter memory	400 tests	300 tests	10 tests
Day Average	7, 14, 30 Day Average	7, 14, 30, 60, 90 Day Average	No
Back lighting	✓	X	X
Measurement range	1.1-27.8 mmol/L	0.6-33.3 mmol/l	1.1-33.3 mmol/L
Operation Temperature	4° - 40° C	5° - 45° C	10° - 40° C
Battery Error Signal	Indicator for low battery	Error message and indicator for low battery	"LO" flashes on the screen
Software	CoPilot	Diabetes Monitoring Software Kit	None
Website	www.medica.co.nz	www.air-flow.co.nz	www.caresens.co.nz
Customer Support	0800 106 100	0800 AIRFLOW (0800 247356)	HCP: 0508 CARESENS - 0508 22 73 73 Patients: 0800 GLUCOSE- 0800 45 82 67

Note: All test strips are free from Icodextrin interference except for On Call Advanced.

All meters are calibrated to be plasma equivalent and have a test time of 5 seconds. All meters provide an operation temperature error signal.

In addition to the blood glucose monitoring devices, PHARMAC subsidises the SensoCard brand of blood glucose test strips only if prescribed for a patient who is severely visually impaired and is using a SensoCard Plus Talking Blood Glucose Monitor.

Disclaimer: The material has been provided by the New Zealand distributors and PHARMAC makes no representation to its accuracy.