

IMPORTANT VALUES AT A GLANCE

COMPARING PLASMA VALUES TO WHOLE-BLOOD VALUES



Comparing plasma values to whole-blood values – basis for calculation: plasma values = whole-blood values +12 %

Plasma-calibrated measuring devices such as the **Omnitest® 3** show glucose levels in plasma. On average, the measured values are 12% higher than the values in whole blood. The World Health Organization (WHO) and the International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) recommend plasma calibration for blood glucose measurements in order to ensure the easy comparison of blood glucose values all across the globe.



The accuracy of Omnitest® 3 measurement results was confirmed in clinical studies and laboratory tests. The good agreement with laboratory methods gives a safe basis to patients with diabetes and professionals to develop the right diabetes therapy.

mg/dL				mmol/L			
Plasma	Whole blood	Plasma	Whole blood	Plasma	Whole blood	Plasma	Whole blood
20	18	190	170	1.1	1.0	10.5	9.4
30	27	200	179	1.7	1.5	11.1	9.9
40	36	210	188	2.2	2.0	11.7	10.4
50	45	220	196	2.8	2.5	12.2	10.9
60	54	230	205	3.3	3.0	12.8	11.4
70	63	240	214	3.9	3.5	13.3	11.9
80	71	250	223	4.4	4.0	13.9	12.4
90	80	275	246	5.0	4.5	15.3	13.7
100	89	300	268	5.5	5.0	16.7	14.9
110	98	325	290	6.1	5.5	18.0	16.1
120	107	350	313	6.7	5.9	19.4	17.3
130	116	375	335	7.2	6.4	20.8	18.6
140	125	400	357	7.8	6.9	22.2	19.8
150	134	450	402	8.3	7.4	25.0	22.3
160	143	500	446	8.9	7.9	27.7	24.8
170	152	550	491	9.4	8.4	30.5	27.3
180	161	600	536	10.0	8.9	33.3	29.7