

POINT OF CARE

POCT Microalbumin Interpretation



Q-Pulse No	PCM63
Version	2
Site	HUB

Point of care Testing (POC) Team South West Pathology Services

URINE MICROALBUMIN Test Strips

The Clinitek 50/Status meter measures the actual value of the Albumin and Creatinine then computes the Alb/Creat Ratio and defines the Normality/Abnormality. It then adjusts the Albumin and Creatinine values to the nearest target value, prints these and the Alb/Creat band.

N.B: The result is not as accurate as laboratory testing and should be interpreted with caution.

Alb/Creat Ratio	<3.4 mg/mmol	Normal
Alb/Creat Ratio	3.4 – 33.9 mg/mmol/l	Abnormal
Alb/Creat Ratio	>33.9 mg/mmol	Grossly Abnormal

Possible Values Albumin mg/l	Printed Result mg/l	Possible Values Creatinine mmol/l	Printed Result mmol/l
0 – 19	10	0.0 – 2.64	0.9
20 – 54	30	2.65 – 6.5	4.4
55 – 114	80	6.6 – 13.24	8.8
115 - ?	150	13.25 – 22.1	17.7
		22.1 - ?	26.5

The table below indicates all possible results using the Siemens Microalbumin test and their clinical relevance.

mg Albumin	Mmol/l Creatinine	Alb/Creat Ratio	Clinical Relevance
10	0.9	11.1	Repeat Sample (dilute Urine – unreliable)
10	26.5	0.4	Normal
10	17.7	0.6	Normal
10	8.8	1.1	Normal
30	26.5	1.1	Normal
30	17.7	1.7	Normal
10	4.4	2.3	Normal
80	26.5	3.0	Normal
30	8.8	3.4	Abnormal
80	17.7	4.5	Abnormal
150	26.5	5.7	Abnormal
30	4.4	6.8	Abnormal
150	17.7	8.5	Abnormal
80	8.8	9.0	Abnormal
150	8.8	17.0	Abnormal
80	4.4	18.2	Abnormal
30	0.9	33.3	Abnormal
80	0.9	88.96	Grossly Abnormal
150	4.4	34.1	Grossly Abnormal
150	0.9	166.7	Grossly Abnormal