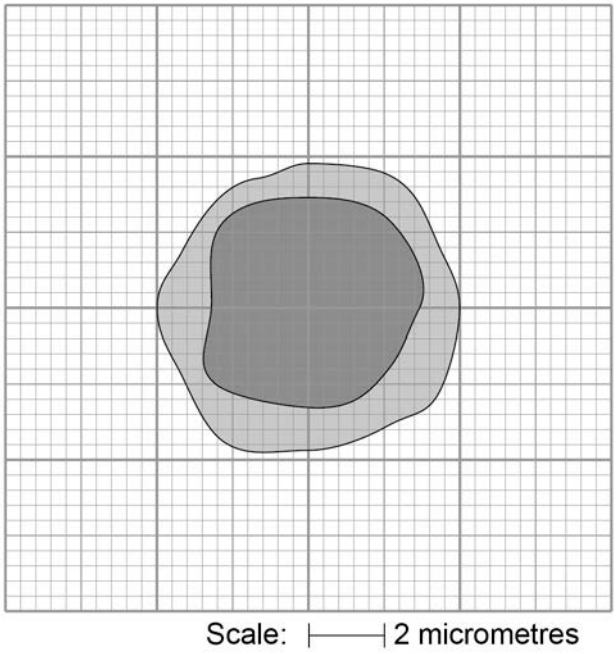
0 2 **Figure 3** shows a scale drawing of one type of cell in blood.

Figure 3



0 2 . 1 Use the scale to determine the width of the cell.

Give your answer to the nearest micrometre.

[1 mark]

Width of cell = _____ micrometres

0 2 . 2 Complete **Table 1**.

[3 marks]

Table 1

Part of the blood	Function
	Carries oxygen around the body
	Protects the body against infection
Plasma	

0 2 . 3 Platelets are fragments of cells.

Platelets help the blood to clot.

Suggest what might happen if the blood did **not** clot.

[1 mark]

Turn over for the next question

Question 2

Question	Answers	Extra information	Mark	AO / Spec. Ref.
02.1	8 (micrometres)		1	AO2/2 4.1.1.1 4.2.2.3
02.2	red blood cell(s) white blood cell(s) (plasma) transports proteins / dissolved substances / food (molecules) / urea / hormones / blood cells	 accept named cell eg phagocyte / lymphocyte	1 1 1	AO1/1 4.2.2.3 4.3.1.6
02.3	any **one** from: • you could lose a lot of blood • bleed internally	 allow bleeding would not stop allow could bleed to death	1	AO2/1 4.2.2.3
Total			**5**	