

AQA, OCR, Edexcel

GCSE Science

GCSE Biology

Producing Monoclonal
Antibodies Answers

Name:

M M E

Mathsmadeeasy.co.uk

Total Marks: /23

Q1: What is a hybridoma?

(2 marks)

Q2: What are monoclonal antibodies?

(2 marks)

Q3: How are large-scale productions of hybridomas carried out?

(2 marks)

Q4: What is a clone?

(1 mark)

Q5: Explain how an antibody is bound to the surface of a cell.

(3 marks)

Q6: Explain what an ELISA is used for.

(1 mark)

Visit <http://www.mathsmadeeasy.co.uk/> for more fantastic resources.

Q7: Other than diagnosing a pregnancy, give 3 ways monoclonal antibodies can be used.

(3 marks)

Q8: Explain why combining human and mouse cells is beneficial when producing monoclonal antibodies.

(1 mark)

Q9: Explain how monoclonal antibodies are used to diagnose pregnancy.

(5 marks)

Q10: Circle the possible ways monoclonal antibodies can be used to measure or detect.

Visit <http://www.mathsmadeeasy.co.uk/> for more fantastic resources.

Screen
blood
donations

Determine
Age

Drug Detection

Detect Infection

Detect genetic
abnormalities

Determine Gender

(3 marks)