



Oxford Cambridge and RSA

**Wednesday 5 June 2024 – Afternoon**

**A Level Biology B (Advancing Biology)**

**H422/01 Fundamentals of biology**

**Insert**

**Time allowed: 2 hours 15 minutes**



#### INSTRUCTIONS

- Do **not** send this Insert for marking. Keep it in the centre or recycle it.

#### INFORMATION

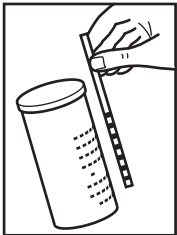
- This Insert contains **Fig. 31**.
- This document has **4** pages.

Fig. 31

# Combur<sup>7</sup> Test<sup>®</sup>

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|     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| pH  |    |    |    |    |    |
|     | 5                                                                                   | 6                                                                                   | 7                                                                                   | 8                                                                                    | 9                                                                                     |
| GLU |    |    |    |    |    |
|     | normal                                                                              | 1+<br>50 (2,8)                                                                      | 2+<br>100 (5,5)                                                                     | 3+<br>300 (17)                                                                       | 4+<br>1000 mg/dL<br>(55 mmol/L)                                                       |
| KET |    |    |    |    |                                                                                       |
|     | neg.                                                                                | 1+<br>10 (1)                                                                        | 2+<br>50 (5)                                                                        | 3+<br>1000 mg/dL (15 mmol/L)                                                         |                                                                                       |
| LEU |    |    |    |    |                                                                                       |
|     | neg.                                                                                | 1+<br>-10.25                                                                        | 2+<br>- 75                                                                          | 3+<br>- 500 LEU/pL                                                                   |                                                                                       |
| NIT |    |    |                                                                                     |                                                                                      |                                                                                       |
|     | neg.                                                                                | pos.                                                                                |                                                                                     |                                                                                      |                                                                                       |
| PRO |   |   |   |   |                                                                                       |
|     | neg.                                                                                | 1+<br>30 (0.3)                                                                      | 2+<br>100 (1)                                                                       | 3+<br>500 mg/dL (5 g/L)                                                              |                                                                                       |
| ERY |  |  |  |  |  |
|     | neg.                                                                                | 1+<br>-5.10                                                                         | 2+<br>-25                                                                           | 3+<br>-50                                                                            | 4+<br>-250 ERY/pL                                                                     |

Colour chart key:

pH

GLU = glucose

KET = ketones

LEU = leucocytes

NIT = nitrates

PRO = protein

ERY = erythrocytes

pos. = positive

neg. = negative



Sample X



Sample Y



Sample Z

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