Cambridge Assessment International Education

Cambridge International AS & A Level

BIOLOGY **9700/31**

Paper 3 Advanced Practical Skills 1 **October/November 2025**

CONFIDENTIAL INSTRUCTIONS

8062494952

This document gives details of how to prepare for and administer the practical exam.

The information in this document and the identity of any materials supplied by Cambridge International are confidential and must NOT reach candidates either directly or indirectly.

The supervisor must complete the report at the end of this document and return it with the scripts.

INSTRUCTIONS

- If you have any queries regarding these confidential instructions, contact Cambridge International stating the centre number, the syllabus and component number and the nature of the query.
  email info@cambridgeinternational.org
  phone +44 1223 553554

This document has **8** pages.

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General information about practical exams

Centres must follow the guidance on science practical exams given in the *Cambridge Handbook*.

Safety

Supervisors must follow national and local regulations relating to safety and first aid.

Only those procedures described in the question paper should be attempted.

Supervisors must inform candidates that materials and apparatus used in the exam should be treated with caution. Suitable eye protection should be used where necessary.

The following hazard codes are used in these confidential instructions, where relevant:

C	corrosive	**MH**	moderate hazard
HH	health hazard	**T**	acutely toxic
F	flammable	**O**	oxidising
N	hazardous to the aquatic environment		

Hazard data sheets relating to substances used in this exam should be available from your chemical supplier.

Before the exam

- The packets containing the question papers must **not** be opened before the exam.
- It is assumed that standard school laboratory facilities, as indicated in the *Guide to Planning Practical Science*, will be available.
- Spare materials and apparatus for the tasks set must be available for candidates, if required.

During the exam

- It must be made clear to candidates at the start of the exam that they may request spare materials and apparatus for the tasks set.
- Where specified, the supervisor **must** perform the experiments and record the results as instructed. This must be done **out of sight** of the candidates, using the same materials and apparatus as the candidates.
- Any assistance provided to candidates must be recorded in the supervisor's report.
- If any materials or apparatus need to be replaced, for example, in the event of breakage or loss, this must be recorded in the supervisor's report.

After the exam

- The supervisor must complete a report for each practical session held and each laboratory used.
- Each packet of scripts returned to Cambridge International must contain the following items:
  - the scripts of the candidates specified on the bar code label provided
  - the supervisor's results relevant to these candidates
  - the supervisor's reports relevant to these candidates
  - seating plans for each practical session, referring to each candidate by candidate number
  - the attendance register.

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Specific information for this practical exam

During the exam, the supervisor or other competent biologist (**not** the invigilator) should obtain the results needed for the supervisor's report by following the relevant steps in the question paper. The results should be recorded in the supervisor's report.

Organisation of the exam

- All candidates must have access to the materials required for Question 1 throughout the whole period of the exam.
- Half of the candidates will have access to the microscope and slide for a maximum time of one hour from the start of the exam. These candidates should start with Question 2. After one hour, or sooner if candidates have finished Question 2, they should move on to Question 1.
- For Question 2, two candidates are **not** permitted to share the same microscope and slide at the same time.
- The other candidates should start with Question 1. After one hour, these candidates should be given access to the microscope and slide. They should then move on to Question 2 as soon as they are ready.
- Candidates will only have access to the microscope and slide for one hour. They should be advised that they can answer any part of the exam paper not requiring the microscope and slide throughout the whole period of the exam.
- Access arrangements to microscopes and slides, including instructions on which question to start with and timings, must be explained to candidates before the start of the exam.

Materials to be supplied by Cambridge International

- Slide **J1**

On receipt of the slides, check that they are labelled **J1** and that no slides are broken. The slides must **not** be viewed in advance of the exam. The material on the slides is confidential and must **not** be disclosed to candidates.

The number of slides supplied by Cambridge International will be equal to half the candidate entry.

Return of slides to Cambridge International

Immediately after the exam, the slides must be:

- returned to Cambridge International in the boxes in which they were received, using the self-adhesive label supplied. The slides must **not** be included in the packet of scripts.

or

- purchased using the order form enclosed with the slides, which should be completed and returned to Cambridge International. The order form must **not** be included in the packet of scripts. Slides and boxes will be charged at the rate of £3.25 per slide plus £1 per box.

If the slides are **not** returned or purchased by the deadline stated on the order form, the charge will be £3.75 per slide plus £1 per box.

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Materials and apparatus for Question 1

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
0.05 mol dm^{-3} sulfuric acid in a beaker labelled **R1**	at least 100 cm^3	
0.4% starch solution in a beaker labelled **R2** (see **Preparation of materials**)	at least 10 cm^3	
0.5 mol dm^{-3} potassium iodide solution in a beaker labelled **R3** (see **Preparation of materials**)	at least 10 cm^3	
0.01 mol dm^{-3} sodium thiosulfate solution in a beaker labelled **R4** (see **Preparation of materials**)	at least 10 cm^3	
2.0% hydrogen peroxide solution in a beaker labelled **H**	at least 25 cm^3	
0.5% hydrogen peroxide solution in a beaker labelled **U**	at least 10 cm^3	
Distilled water in a beaker labelled **W**	at least 100 cm^3	
10 cm^3 syringes	2	
1 cm^3 syringes	5	
Beakers, capacity 50–100 cm^3	5	
Test-tubes, large, capacity 40–50 cm^3	8	
Test-tube rack(s) to hold 8 large test-tubes	1	
Glass rod	1	
Container with approximately 200 cm^3 tap water, labelled **For washing**	1	
Container, capacity approximately 300 cm^3, labelled **For waste**	1	
Paper towels	8	
Glass marker pen, permanent	1	
Stop-clock or timer showing seconds	1	
Suitable eye protection	1	

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Preparation of materials

The hydrogen peroxide solutions, **H** and **U**, should be prepared on the day of the exam.

All other solutions can be prepared the day before the exam. Each solution should be kept in a covered container until required.

All solutions should be at room temperature before the start of the exam.

- **R2**, 0.4% starch solution

  Add 0.4 g of soluble starch to 5 cm^3 of distilled water to make a paste. Make up to 100 cm^3 with distilled water. Heat to almost boiling and stir well until the solution clears.

- **R3**, 0.5 mol dm^{-3} potassium iodide solution

  This is prepared by dissolving 8.3 g of potassium iodide (KI) in 80 cm^3 of distilled water and making up to 100 cm^3 with distilled water.

- **R4**, 0.01 mol dm^{-3} sodium thiosulfate solution

  This is prepared by dissolving 0.16 g of sodium thiosulfate ($Na_2S_2O_3$) in 80 cm^3 of distilled water and making up to 100 cm^3 with distilled water.

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[Turn over

Materials and apparatus for Question 2

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
Microscope with: ● an eyepiece lens, ×10 magnification ● a low-power objective lens, ×10 magnification ● a high-power objective lens, ×40 magnification	1 between 2	
Slide **J1**	1 between 2	

Preparation of materials

- Microscope

  Any lenses which are **not** ×10 or ×40 should be removed or replaced.

  For each candidate:
  – the microscope must be set up on low power
  – the slide must **not** be on the stage of the microscope.

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Supervisor's report

Syllabus and component number	9	7	0	0	/	3	1

Centre number					

Centre name .....

Time of the practical session .....

Laboratory name/number .....

Give details of any difficulties experienced by the centre or by candidates (include the relevant candidate names and candidate numbers).

You must include:
- any difficulties experienced by the centre in the preparation of materials
- any difficulties experienced by candidates, e.g. due to faulty materials or apparatus
- any specific assistance given to candidates.

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Temperature of exam room ..... °C

Results for **Question 1(a)(ii)**

Results for **Question 1(a)(iii)**

Declaration

1 Each packet that I am returning to Cambridge International contains all of the following items:
- the scripts of the candidates specified on the bar code label provided
- the supervisor's results relevant to these candidates
- the supervisor's reports relevant to these candidates
- seating plans for each practical session, referring to each candidate by candidate number
- the attendance register.

2 Where the practical exam has taken place in more than one practical session, I have clearly labelled the supervisor's results, supervisor's reports and seating plans with the time and laboratory name/number for each practical session.

3 I have included details of difficulties relating to each practical session experienced by the centre or by candidates.

4 I have reported any other adverse circumstances affecting candidates, e.g. illness, bereavement or temporary injury, directly to Cambridge International on a *special consideration form*.

Signed ..... (supervisor)

Name (in block capitals) .....

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Cambridge Assessment International Education

Cambridge International AS & A Level

BIOLOGY **9700/33**

Paper 3 Advanced Practical Skills 1 **October/November 2025**

CONFIDENTIAL INSTRUCTIONS

2345807611

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[Turn over

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- Access arrangements to microscopes and slides, including instructions on which question to start with and timings, must be explained to candidates before the start of the exam.

Materials to be supplied by Cambridge International

- Slide **K1**

On receipt of the slides, check that they are labelled **K1** and that no slides are broken. The slides must **not** be viewed in advance of the exam. The material on the slides is confidential and must **not** be disclosed to candidates.

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Return of slides to Cambridge International

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or

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If the slides are **not** returned or purchased by the deadline stated on the order form, the charge will be £3.75 per slide plus £1 per box.

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Materials and apparatus for Question 1

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
20.0% glucose solution in a beaker labelled **G** (see **Preparation of materials**)	at least 50 cm^3	
Distilled water in a beaker labelled **W**	at least 200 cm^3	
[MH][N] Benedict's solution in a beaker labelled **Benedict's**	at least 40 cm^3	
20 cm length of dialysis (Visking) tubing in a beaker of distilled water labelled **D**	1	
1 cm^3 syringes	3	
5 cm^3 syringes	3	
10 cm^3 syringes	2	
100 cm^3 measuring cylinder	1	
Beakers, capacity 75–100 cm^3	6	
Test-tube, large, capacity 40–50 cm^3	1	
Test-tube rack to hold 1 large test-tube	1	
Test-tubes, small, capacity 20–30 cm^3	8	
Test-tube rack(s) to hold 8 small test-tubes	1	
Test-tube holder to hold hot test-tubes	1	
Beaker, capacity approximately 400 cm^3, with water suitable for heating as a water-bath, labelled **Water-bath**	1	
Bunsen burner, tripod, gauze, heat-proof mat (bench mat) and lighter or matches	1	
Thermometer, –10 °C to +110 °C	1	
Container with approximately 200 cm^3 water, labelled **For washing**	1	
Container, capacity approximately 400 cm^3, labelled **For waste**	1	
Elastic band to wrap around large test-tube	1	
Marker pen, permanent	1	
Stop-clock or timer showing seconds	1	
Ruler, showing mm	1	
Paper towels	8	
Suitable eye protection	1	

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Preparation of materials

All the materials may be prepared the day before the exam.

Each solution should be kept in a covered container in a refrigerator. Solutions should be at room temperature before the start of the exam.

- **G**, 20.0% glucose solution

  This is prepared by sprinkling 20.0 g glucose, a little at a time, onto the surface of 70 cm^3 of distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water. Mix well.

Materials and apparatus for Question 2

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
Microscope with: ● an eyepiece lens, ×10 magnification ● a low-power objective lens, ×10 magnification ● a high-power objective lens, ×40 magnification	1 between 2	
Slide **K1**	1 between 2	

Preparation of materials

- Microscope

  Any lenses which are **not** ×10 or ×40 should be removed or replaced.

  For each candidate:
  – the microscope must be set up on low power
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Supervisor's report

Syllabus and component number	9	7	0	0	/	3	3
Centre number							

Centre name .....

Time of the practical session .....

Laboratory name/number .....

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Temperature of exam room ..... °C

Results for **Question 1(a)(iv)**

Results for **Question 1(a)(v)**

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Signed ..... (supervisor)

Name (in block capitals) .....

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Cambridge Assessment International Education

Cambridge International AS & A Level

BIOLOGY **9700/34**

Paper 3 Advanced Practical Skills 2 **October/November 2025**

CONFIDENTIAL INSTRUCTIONS

2505597283

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- The other candidates should start with Question 1. After one hour, these candidates should be given access to the microscope and slide. They should then move on to Question 2 as soon as they are ready.
- Candidates will only have access to the microscope and slide for one hour. They should be advised that they can answer any part of the exam paper not requiring the microscope and slide throughout the whole period of the exam.
- Access arrangements to microscopes and slides, including instructions on which question to start with and timings, must be explained to candidates before the start of the exam.

Materials to be supplied by Cambridge International

- Slide **L1**

On receipt of the slides, check that they are labelled **L1** and that no slides are broken. The slides must **not** be viewed in advance of the exam. The material on the slides is confidential and must **not** be disclosed to candidates.

The number of slides supplied by Cambridge International will be equal to half the candidate entry.

Return of slides to Cambridge International

Immediately after the exam, the slides must be:

- returned to Cambridge International in the boxes in which they were received, using the self-adhesive label supplied. The slides must **not** be included in the packet of scripts.

or

- purchased using the order form enclosed with the slides, which should be completed and returned to Cambridge International. The order form must **not** be included in the packet of scripts. Slides and boxes will be charged at the rate of £3.25 per slide plus £1 per box.

If the slides are **not** returned or purchased by the deadline stated on the order form, the charge will be £3.75 per slide plus £1 per box.

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Materials and apparatus for Question 1

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
1.0 mol dm^{-3} hydrochloric acid in a beaker labelled **A**	at least 20 cm^3	
Sodium hydrogencarbonate powder in a beaker labelled **H**	at least 20 g	
[MH][N] Benedict's solution in a beaker labelled **Benedict's**	at least 40 cm^3	
[MH][N] 0.01 mol dm^{-3} iodine solution in a beaker labelled **Iodine** (see **Preparation of materials**)	at least 20 cm^3	
Distilled water in a beaker labelled **S1**	at least 60 cm^3	
0.1% starch solution in a beaker labelled **S2** (see **Preparation of materials**)	at least 60 cm^3	
1.0% sucrose solution in a beaker labelled **S3** (see **Preparation of materials**)	at least 60 cm^3	
1.0% glucose solution in a beaker labelled **S4** (see **Preparation of materials**)	at least 60 cm^3	
Thermometer, –10 °C to +110 °C	1	
Bunsen burner, tripod, gauze, heat-proof mat (bench mat) with lighter or matches	1	
Beaker, capacity approximately 400 cm^3, with water suitable for heating as a water-bath, labelled **Water-bath**	1	
2 cm^3, 3 cm^3 or 5 cm^3 syringes	7	
Test-tubes, small, capacity 20–30 cm^3	12	
Test-tube rack(s), to hold 12 small test-tubes	1	
Test-tube holder to hold hot test-tubes	1	
Small teat pipette or dropper (plastic or glass)	1	
Spatula	1	
Container with approximately 200 cm^3 tap water, labelled **For washing**	1	
Container, capacity approximately 400 cm^3, labelled **For waste**	1	
Paper towels	8	
Glass marker pen, permanent	1	
Suitable eye protection	1	

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Preparation of materials

S2, S3 and **S4** can be prepared the day before the exam and kept in covered containers in a refrigerator. The iodine solution can be prepared the day before the exam and stored in the dark until required.

All solutions should be at room temperature before the start of the exam.

- **iodine**, 0.01 mol dm^{-3} iodine solution
  To prepare a 0.01 mol dm^{-3} iodine solution:
  - put 8.0 g of potassium iodide in a beaker or container
  - add 2 cm^3 of distilled water to moisten the potassium iodide
  - add 2.5 g of iodine **[MH][N]** (if necessary, crush to small pieces) to the moist potassium iodide
  - add 15 cm^3 of distilled water and stir well
  - when no more iodine dissolves, add another 15 cm^3 of distilled water and stir well
  - repeat with two more volumes of 15 cm^3 of distilled water
  - make up to a total volume of 100 cm^3
  - put 10 cm^3 of this 0.1 mol dm^{-3} iodine solution into a beaker or container
  - make up to 100 cm^3 with distilled water
  - mix well.

- **S2**, 0.1% starch solution

  This is prepared by adding 0.1 g of soluble starch to a small volume of distilled water and mixing to a paste. Make up to 100 cm^3 with distilled water. Heat to boiling for 1–2 minutes, stirring continuously.

- **S3**, 1.0% sucrose solution

  This is prepared by sprinkling 1.0 g of sucrose, a little at a time, onto the surface of 50 cm^3 of warm distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water.

- **S4**, 1.0 % glucose solution

  This is prepared by sprinkling 1.0 g of glucose, a little at a time, onto the surface of 50 cm^3 of distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water.

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Materials and apparatus for Question 2

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
Microscope with: ● an eyepiece lens, ×10 magnification ● a low-power objective lens, ×10 magnification ● a high-power objective lens, ×40 magnification	1 between 2	
Slide **L1**	1 between 2	

Preparation of materials

- Microscope

  Any lenses which are **not** ×10 or ×40 should be removed or replaced.

  For each candidate:
  – the microscope must be set up on low power
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Supervisor's report

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Centre name .....

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Temperature of exam room ..... °C

Results for **Question 1(a)(iii)**

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2 Where the practical exam has taken place in more than one practical session, I have clearly labelled the supervisor's results, supervisor's reports and seating plans with the time and laboratory name/number for each practical session.

3 I have included details of difficulties relating to each practical session experienced by the centre or by candidates.

4 I have reported any other adverse circumstances affecting candidates, e.g. illness, bereavement or temporary injury, directly to Cambridge International on a *special consideration form*.

Signed ..... (supervisor)

Name (in block capitals) .....

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Cambridge Assessment International Education

Cambridge International AS & A Level

BIOLOGY **9700/35**

Paper 3 Advanced Practical Skills 1 **October/November 2025**

CONFIDENTIAL INSTRUCTIONS

2536065115

This document gives details of how to prepare for and administer the practical exam.

The information in this document and the identity of any materials supplied by Cambridge International are confidential and must NOT reach candidates either directly or indirectly.

The supervisor must complete the report at the end of this document and return it with the scripts.

INSTRUCTIONS

- If you have any queries regarding these confidential instructions, contact Cambridge International stating the centre number, the syllabus and component number and the nature of the query.
  email info@cambridgeinternational.org
  phone +44 1223 553554

This document has **8** pages.

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General information about practical exams

Centres must follow the guidance on science practical exams given in the *Cambridge Handbook*.

Safety

Supervisors must follow national and local regulations relating to safety and first aid.

Only those procedures described in the question paper should be attempted.

Supervisors must inform candidates that materials and apparatus used in the exam should be treated with caution. Suitable eye protection should be used where necessary.

The following hazard codes are used in these confidential instructions, where relevant:

C	corrosive	**MH**	moderate hazard
HH	health hazard	**T**	acutely toxic
F	flammable	**O**	oxidising
N	hazardous to the aquatic environment		

Hazard data sheets relating to substances used in this exam should be available from your chemical supplier.

Before the exam

- The packets containing the question papers must **not** be opened before the exam.
- It is assumed that standard school laboratory facilities, as indicated in the *Guide to Planning Practical Science*, will be available.
- Spare materials and apparatus for the tasks set must be available for candidates, if required.

During the exam

- It must be made clear to candidates at the start of the exam that they may request spare materials and apparatus for the tasks set.
- Where specified, the supervisor **must** perform the experiments and record the results as instructed. This must be done **out of sight** of the candidates, using the same materials and apparatus as the candidates.
- Any assistance provided to candidates must be recorded in the supervisor's report.
- If any materials or apparatus need to be replaced, for example, in the event of breakage or loss, this must be recorded in the supervisor's report.

After the exam

- The supervisor must complete a report for each practical session held and each laboratory used.
- Each packet of scripts returned to Cambridge International must contain the following items:
  - the scripts of the candidates specified on the bar code label provided
  - the supervisor's results relevant to these candidates
  - the supervisor's reports relevant to these candidates
  - seating plans for each practical session, referring to each candidate by candidate number
  - the attendance register.

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Specific information for this practical exam

During the exam, the supervisor or other competent biologist (**not** the invigilator) should obtain the results needed for the supervisor's report by following the relevant steps in the question paper. The results should be recorded in the supervisor's report.

Organisation of the exam

- All candidates must have access to the materials required for Question 1 throughout the whole period of the exam.
- Half of the candidates will have access to the microscope and slide for a maximum time of one hour from the start of the exam. These candidates should start with Question 2. After one hour, or sooner if candidates have finished Question 2, they should move on to Question 1.
- For Question 2, two candidates are **not** permitted to share the same microscope and slide at the same time.
- The other candidates should start with Question 1. After one hour, these candidates should be given access to the microscope and slide. They should then move on to Question 2 as soon as they are ready.
- Candidates will only have access to the microscope and slide for one hour. They should be advised that they can answer any part of the exam paper not requiring the microscope and slide throughout the whole period of the exam.
- Access arrangements to microscopes and slides, including instructions on which question to start with and timings, must be explained to candidates before the start of the exam.

Materials to be supplied by Cambridge International

- Slide **M1**

On receipt of the slides, check that they are labelled **M1** and that no slides are broken. The slides must **not** be viewed in advance of the exam. The material on the slides is confidential and must **not** be disclosed to candidates.

The number of slides supplied by Cambridge International will be equal to half the candidate entry.

Return of slides to Cambridge International

Immediately after the exam, the slides must be:

- returned to Cambridge International in the boxes in which they were received, using the self-adhesive label supplied. The slides must **not** be included in the packet of scripts.

or

- purchased using the order form enclosed with the slides, which should be completed and returned to Cambridge International. The order form must **not** be included in the packet of scripts. Slides and boxes will be charged at the rate of £3.25 per slide plus £1 per box.

If the slides are **not** returned or purchased by the deadline stated on the order form, the charge will be £3.75 per slide plus £1 per box.

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Materials and apparatus for Question 1

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
20.0% glucose solution in a beaker labelled **R** (see **Preparation of materials**)	at least 20 cm^3	
10.0% glucose solution in a beaker labelled **S** (see **Preparation of materials**)	at least 20 cm^3	
1.0% glucose solution in a beaker labelled **G** (see **Preparation of materials**)	at least 30 cm^3	
Distilled water in a beaker labelled **W**	at least 100 cm^3	
[MH][N] Benedict's solution in a beaker labelled **Benedict's**	at least 20 cm^3	
20 cm length of dialysis (Visking) tubing in a beaker of distilled water labelled **D1**	1	
20 cm length of dialysis (Visking) tubing in a beaker of distilled water labelled **D2**	1	
1 cm^3 syringes	3	
5 cm^3 syringe	1	
10 cm^3 syringes	2	
Beakers, capacity 50–100 cm^3	5	
Test-tubes, large, capacity 40–50 cm^3	2	
Test-tubes, small, capacity 20–30 cm^3	7	
Test-tube rack to hold 2 large test-tubes	1	
Test-tube rack(s) to hold 7 small test-tubes	1	
Test-tube holder to hold hot test-tubes	1	
Beaker, capacity approximately 400 cm^3 with tap water, suitable for using as a water-bath, labelled **Water-bath**	1	
Bunsen burner, tripod, gauze, heat-proof mat (bench mat) and lighter or matches	1	
Thermometer, –10 °C to +110 °C	1	
Container with approximately 200 cm^3 of tap water, labelled **For washing**	1	
Container, capacity approximately 400 cm^3, labelled **For waste**	1	
Elastic bands to wrap around large test-tubes	2	
Paper towels	8	
Marker pen, permanent	1	
Ruler, showing mm	1	
Stop-clock or timer showing seconds	1	
Suitable eye protection	1	

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Preparation of materials

All the materials may be prepared the day before the exam.

Solutions **R**, **S** and **G** should be kept overnight in a covered container in a refrigerator.

All solutions and distilled water, **W**, should be at room temperature before the start of the exam.

- **R**, 20.0% glucose solution

  This is prepared by sprinkling 20.0 g glucose, a little at a time, onto the surface of 70 cm^3 of distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water. Mix well.

- **S**, 10.0% glucose solution

  This is prepared by sprinkling 10.0 g glucose, a little at a time, onto the surface of 70 cm^3 of distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water. Mix well.

- **G**, 1.0% glucose solution

  This is prepared by sprinkling 1.0 g glucose, a little at a time, onto the surface of 70 cm^3 of distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water. Mix well.

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Materials and apparatus for Question 2

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
Microscope with: ● an eyepiece lens, ×10 magnification ● a low-power objective lens, ×10 magnification ● a high-power objective lens, ×40 magnification	1 between 2	
Slide **M1**	1 between 2	

Preparation of materials

- Microscope

  Any lenses which are **not** ×10 or ×40 should be removed or replaced.

  For each candidate:
  – the microscope must be set up on low power
  – the slide must **not** be on the stage of the microscope.

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Supervisor's report

Syllabus and component number	9	7	0	0	/	3	5

Centre number					

Centre name .....

Time of the practical session .....

Laboratory name/number .....

Give details of any difficulties experienced by the centre or by candidates (include the relevant candidate names and candidate numbers).

You must include:
- any difficulties experienced by the centre in the preparation of materials
- any difficulties experienced by candidates, e.g. due to faulty materials or apparatus
- any specific assistance given to candidates.

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Temperature of exam room ……. °C

Results for **Question 1(a)(ii)**

Results for **Question 1(a)(iii)**

Declaration

1 Each packet that I am returning to Cambridge International contains all of the following items:
- the scripts of the candidates specified on the bar code label provided
- the supervisor's results relevant to these candidates
- the supervisor's reports relevant to these candidates
- seating plans for each practical session, referring to each candidate by candidate number
- the attendance register.

2 Where the practical exam has taken place in more than one practical session, I have clearly labelled the supervisor's results, supervisor's reports and seating plans with the time and laboratory name/number for each practical session.

3 I have included details of difficulties relating to each practical session experienced by the centre or by candidates.

4 I have reported any other adverse circumstances affecting candidates, e.g. illness, bereavement or temporary injury, directly to Cambridge International on a *special consideration form*.

Signed ..... (supervisor)

Name (in block capitals) .....

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Cambridge Assessment International Education

Cambridge International AS & A Level

BIOLOGY **9700/36**

Paper 3 Advanced Practical Skills 2 **October/November 2025**

CONFIDENTIAL INSTRUCTIONS

8720768524

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The information in this document and the identity of any materials supplied by Cambridge International are confidential and must NOT reach candidates either directly or indirectly.

The supervisor must complete the report at the end of this document and return it with the scripts.

INSTRUCTIONS

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  email info@cambridgeinternational.org
  phone +44 1223 553554

This document has **8** pages.

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General information about practical exams

Centres must follow the guidance on science practical exams given in the *Cambridge Handbook*.

Safety

Supervisors must follow national and local regulations relating to safety and first aid.

Only those procedures described in the question paper should be attempted.

Supervisors must inform candidates that materials and apparatus used in the exam should be treated with caution. Suitable eye protection should be used where necessary.

The following hazard codes are used in these confidential instructions, where relevant:

C	corrosive	**MH**	moderate hazard
HH	health hazard	**T**	acutely toxic
F	flammable	**O**	oxidising
N	hazardous to the aquatic environment		

Hazard data sheets relating to substances used in this exam should be available from your chemical supplier.

Before the exam

- The packets containing the question papers must **not** be opened before the exam.
- It is assumed that standard school laboratory facilities, as indicated in the *Guide to Planning Practical Science*, will be available.
- Spare materials and apparatus for the tasks set must be available for candidates, if required.

During the exam

- It must be made clear to candidates at the start of the exam that they may request spare materials and apparatus for the tasks set.
- Where specified, the supervisor **must** perform the experiments and record the results as instructed. This must be done **out of sight** of the candidates, using the same materials and apparatus as the candidates.
- Any assistance provided to candidates must be recorded in the supervisor's report.
- If any materials or apparatus need to be replaced, for example, in the event of breakage or loss, this must be recorded in the supervisor's report.

After the exam

- The supervisor must complete a report for each practical session held and each laboratory used.
- Each packet of scripts returned to Cambridge International must contain the following items:
  - the scripts of the candidates specified on the bar code label provided
  - the supervisor's results relevant to these candidates
  - the supervisor's reports relevant to these candidates
  - seating plans for each practical session, referring to each candidate by candidate number
  - the attendance register.

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Specific information for this practical exam

During the exam, the supervisor or other competent biologist (**not** the invigilator) should obtain the results needed for the supervisor's report by following the relevant steps in the question paper. The results should be recorded in the supervisor's report.

Organisation of the exam

- All candidates must have access to the materials required for Question 1 throughout the whole period of the exam.
- Half of the candidates will have access to the microscope and slide for a maximum time of one hour from the start of the exam. These candidates should start with Question 2. After one hour, or sooner if candidates have finished Question 2, they should move on to Question 1.
- For Question 2, two candidates are **not** permitted to share the same microscope and slide at the same time.
- The other candidates should start with Question 1. After one hour, these candidates should be given access to the microscope and slide. They should then move on to Question 2 as soon as they are ready.
- Candidates will only have access to the microscope and slide for one hour. They should be advised that they can answer any part of the exam paper not requiring the microscope and slide throughout the whole period of the exam.
- Access arrangements to microscopes and slides, including instructions on which question to start with and timings, must be explained to candidates before the start of the exam.

Materials to be supplied by Cambridge International

- Slide **N1**

On receipt of the slides, check that they are labelled **N1** and that no slides are broken. The slides must **not** be viewed in advance of the exam. The material on the slides is confidential and must **not** be disclosed to candidates.

The number of slides supplied by Cambridge International will be equal to half the candidate entry.

Return of slides to Cambridge International

Immediately after the exam, the slides must be:

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or

- purchased using the order form enclosed with the slides, which should be completed and returned to Cambridge International. The order form must **not** be included in the packet of scripts. Slides and boxes will be charged at the rate of £3.25 per slide plus £1 per box.

If the slides are **not** returned or purchased by the deadline stated on the order form, the charge will be £3.75 per slide plus £1 per box.

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Materials and apparatus for Question 1

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
7.0% yeast cell suspension in a beaker labelled **Y** (see **Preparation of materials**)	at least 20 cm^3	
2.0% sodium alginate solution in a beaker labelled **A** (see **Preparation of materials**)	at least 20 cm^3	
Calcium chloride solution in a beaker labelled **C** (see **Preparation of materials**)	at least 20 cm^3	
4.0% sucrose solution in a beaker labelled **S** (see **Preparation of materials**)	at least 50 cm^3	
[MH][N] Benedict's solution in a beaker labelled **Benedict's**	at least 20 cm^3	
Distilled water in a beaker labelled **W**	at least 50 cm^3	
10 cm^3 syringes	3	
1 cm^3 syringes	4	
Small test-tubes, capacity 20–30 cm^3	10	
Test-tube rack(s) to hold 10 small test-tubes	1	
Beakers, capacity 50–100 cm^3	4	
Beaker, capacity approximately 400 cm^3, suitable for heating as a water-bath, with approximately 200 cm^3 of tap water at 40–50 °C, labelled **Water-bath**	1	
Bunsen burner, tripod, gauze, heat-proof mat (bench mat) and lighter or matches	1	
Test-tube holder to hold hot test-tubes	1	
Filter funnel and filter paper	1	
Glass rod	2	
Container with approximately 200 cm^3 of tap water, labelled **For washing**	1	
Container, capacity approximately 400 cm^3, labelled **For waste**	1	
Paper towels	8	
Glass marker pen, permanent	1	
Stop-clock or timer showing seconds	1	
Suitable eye protection	1	

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Preparation of materials

A, **C** and **S** can be prepared the day before the exam.

Each solution should be kept in a covered container in a refrigerator. Solutions should be at room temperature before the start of the exam.

- **Y**, 7.0% yeast cell suspension

  This is prepared on the day of the exam. Put 7.0 g of dried yeast (for baking) into a beaker and make up to 100 cm^3 with distilled water. Mix well.

  If preparing large batches, mix well before distributing into beakers for individual candidates.

  Do **not** use yeast used for brewing as this does not always work actively enough in the time.

- **A**, 2.0% sodium alginate solution

  This is prepared by putting 2.0 g of sodium alginate into a beaker with 50 cm^3 of hot distilled water, stirring well and making up to 100 cm^3 with hot distilled water. Continue stirring until dissolved. You may need to heat it to dissolve the sodium alginate. Do not boil. Cool to room temperature.

- **C**, calcium chloride solution

  This is prepared by putting 1.5 g of calcium chloride ($CaCl_2 \cdot 6H_2O$) into a beaker and making up to 100 cm^3 with distilled water. Mix well.

- **S**, 4.0% sucrose solution

  This is prepared by sprinkling 4.0 g of sucrose, a little at a time, onto the surface of 50 cm^3 of warm distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water.

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Materials and apparatus for Question 2

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
Microscope with: ● an eyepiece lens, ×10 magnification ● a low-power objective lens, ×10 magnification ● a high-power objective lens, ×40 magnification	1 between 2	
Slide **N1**	1 between 2	

Preparation of materials

- Microscope

  Any lenses which are **not** ×10 or ×40 should be removed or replaced.

  For each candidate:
  – the microscope must be set up on low power
  – the slide must **not** be on the stage of the microscope.

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Supervisor's report

Syllabus and component number	9	7	0	0	/	3	6
Centre number							

Centre name .....

Time of the practical session .....

Laboratory name/number .....

Give details of any difficulties experienced by the centre or by candidates (include the relevant candidate names and candidate numbers).

You must include:
- any difficulties experienced by the centre in the preparation of materials
- any difficulties experienced by candidates, e.g. due to faulty materials or apparatus
- any specific assistance given to candidates.

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Temperature of exam room ..... °C

Results for **Question 1(a)(i)**

Declaration

1 Each packet that I am returning to Cambridge International contains all of the following items:
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4 I have reported any other adverse circumstances affecting candidates, e.g. illness, bereavement or temporary injury, directly to Cambridge International on a *special consideration form*.

Signed ..... (supervisor)

Name (in block capitals) .....

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Cambridge Assessment International Education

Cambridge International AS & A Level

BIOLOGY **9700/37**

Paper 3 Advanced Practical Skills 1 **October/November 2025**

CONFIDENTIAL INSTRUCTIONS

1923926984

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The supervisor must complete the report at the end of this document and return it with the scripts.

INSTRUCTIONS

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  email info@cambridgeinternational.org
  phone +44 1223 553554

This document has **8** pages.

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General information about practical exams

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Safety

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Before the exam

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- Spare materials and apparatus for the tasks set must be available for candidates, if required.

During the exam

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- Where specified, the supervisor **must** perform the experiments and record the results as instructed. This must be done **out of sight** of the candidates, using the same materials and apparatus as the candidates.
- Any assistance provided to candidates must be recorded in the supervisor's report.
- If any materials or apparatus need to be replaced, for example, in the event of breakage or loss, this must be recorded in the supervisor's report.

After the exam

- The supervisor must complete a report for each practical session held and each laboratory used.
- Each packet of scripts returned to Cambridge International must contain the following items:
  - the scripts of the candidates specified on the bar code label provided
  - the supervisor's results relevant to these candidates
  - the supervisor's reports relevant to these candidates
  - seating plans for each practical session, referring to each candidate by candidate number
  - the attendance register.

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Specific information for this practical exam

During the exam, the supervisor or other competent biologist (**not** the invigilator) should obtain the results needed for the supervisor's report by following the relevant steps in the question paper. The results should be recorded in the supervisor's report.

Organisation of the exam

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- Half of the candidates will have access to the microscope and slide for a maximum time of one hour from the start of the exam. These candidates should start with Question 2. After one hour, or sooner if candidates have finished Question 2, they should move on to Question 1.
- For Question 2, two candidates are **not** permitted to share the same microscope and slide at the same time.
- The other candidates should start with Question 1. After one hour, these candidates should be given access to the microscope and slide. They should then move on to Question 2 as soon as they are ready.
- Candidates will only have access to the microscope and slide for one hour. They should be advised that they can answer any part of the exam paper not requiring the microscope and slide throughout the whole period of the exam.
- Access arrangements to microscopes and slides, including instructions on which question to start with and timings, must be explained to candidates before the start of the exam.

Materials to be supplied by Cambridge International

- Slide **M1**

On receipt of the slides, check that they are labelled **M1** and that no slides are broken. The slides must **not** be viewed in advance of the exam. The material on the slides is confidential and must **not** be disclosed to candidates.

The number of slides supplied by Cambridge International will be equal to half the candidate entry.

Return of slides to Cambridge International

Immediately after the exam, the slides must be:

- returned to Cambridge International in the boxes in which they were received, using the self-adhesive label supplied. The slides must **not** be included in the packet of scripts.

or

- purchased using the order form enclosed with the slides, which should be completed and returned to Cambridge International. The order form must **not** be included in the packet of scripts. Slides and boxes will be charged at the rate of £3.25 per slide plus £1 per box.

If the slides are **not** returned or purchased by the deadline stated on the order form, the charge will be £3.75 per slide plus £1 per box.

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Materials and apparatus for Question 1

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
20.0% glucose solution in a beaker labelled **R** (see **Preparation of materials**)	at least 20 cm^3	
10.0% glucose solution in a beaker labelled **S** (see **Preparation of materials**)	at least 20 cm^3	
1.0% glucose solution in a beaker labelled **G** (see **Preparation of materials**)	at least 30 cm^3	
Distilled water in a beaker labelled **W**	at least 100 cm^3	
[MH][N] Benedict's solution in a beaker labelled **Benedict's**	at least 20 cm^3	
20 cm length of dialysis (Visking) tubing in a beaker of distilled water labelled **D1**	1	
20 cm length of dialysis (Visking) tubing in a beaker of distilled water labelled **D2**	1	
1 cm^3 syringes	3	
5 cm^3 syringe	1	
10 cm^3 syringes	2	
Beakers, capacity 50–100 cm^3	5	
Test-tubes, large, capacity 40–50 cm^3	2	
Test-tubes, small, capacity 20–30 cm^3	7	
Test-tube rack to hold 2 large test-tubes	1	
Test-tube rack(s) to hold 7 small test-tubes	1	
Test-tube holder to hold hot test-tubes	1	
Beaker, capacity approximately 400 cm^3 with tap water, suitable for using as a water-bath, labelled **Water-bath**	1	
Bunsen burner, tripod, gauze, heat-proof mat (bench mat) and lighter or matches	1	
Thermometer, –10 °C to +110 °C	1	
Container with approximately 200 cm^3 of tap water, labelled **For washing**	1	
Container, capacity approximately 400 cm^3, labelled **For waste**	1	
Elastic bands to wrap around large test-tubes	2	
Paper towels	8	
Marker pen, permanent	1	
Ruler, showing mm	1	
Stop-clock or timer showing seconds	1	
Suitable eye protection	1	

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Preparation of materials

All the materials may be prepared the day before the exam.

Solutions **R**, **S** and **G** should be kept overnight in a covered container in a refrigerator.

All solutions and distilled water, **W**, should be at room temperature before the start of the exam.

- **R**, 20.0% glucose solution

  This is prepared by sprinkling 20.0 g glucose, a little at a time, onto the surface of 70 cm^3 of distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water. Mix well.

- **S**, 10.0% glucose solution

  This is prepared by sprinkling 10.0 g glucose, a little at a time, onto the surface of 70 cm^3 of distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water. Mix well.

- **G**, 1.0% glucose solution

  This is prepared by sprinkling 1.0 g glucose, a little at a time, onto the surface of 70 cm^3 of distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water. Mix well.

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[Turn over

Materials and apparatus for Question 2

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
Microscope with: ● an eyepiece lens, ×10 magnification ● a low-power objective lens, ×10 magnification ● a high-power objective lens, ×40 magnification	1 between 2	
Slide **M1**	1 between 2	

Preparation of materials

- Microscope

  Any lenses which are **not** ×10 or ×40 should be removed or replaced.

  For each candidate:
  – the microscope must be set up on low power
  – the slide must **not** be on the stage of the microscope.

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Supervisor's report

Syllabus and component number	9	7	0	0	/	3	7
Centre number							

Centre name .....

Time of the practical session .....

Laboratory name/number .....

Give details of any difficulties experienced by the centre or by candidates (include the relevant candidate names and candidate numbers).

You must include:
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- any difficulties experienced by candidates, e.g. due to faulty materials or apparatus
- any specific assistance given to candidates.

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Temperature of exam room ……. °C

Results for **Question 1(a)(ii)**

Results for **Question 1(a)(iii)**

Declaration

1 Each packet that I am returning to Cambridge International contains all of the following items:
- the scripts of the candidates specified on the bar code label provided
- the supervisor's results relevant to these candidates
- the supervisor's reports relevant to these candidates
- seating plans for each practical session, referring to each candidate by candidate number
- the attendance register.

2 Where the practical exam has taken place in more than one practical session, I have clearly labelled the supervisor's results, supervisor's reports and seating plans with the time and laboratory name/number for each practical session.

3 I have included details of difficulties relating to each practical session experienced by the centre or by candidates.

4 I have reported any other adverse circumstances affecting candidates, e.g. illness, bereavement or temporary injury, directly to Cambridge International on a *special consideration form*.

Signed ..... (supervisor)

Name (in block capitals) .....

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Cambridge Assessment International Education

Cambridge International AS & A Level

BIOLOGY **9700/38**

Paper 3 Advanced Practical Skills 2 **October/November 2025**

CONFIDENTIAL INSTRUCTIONS

5563763754

This document gives details of how to prepare for and administer the practical exam.

The information in this document and the identity of any materials supplied by Cambridge International are confidential and must NOT reach candidates either directly or indirectly.

The supervisor must complete the report at the end of this document and return it with the scripts.

INSTRUCTIONS

- If you have any queries regarding these confidential instructions, contact Cambridge International stating the centre number, the syllabus and component number and the nature of the query.
  email info@cambridgeinternational.org
  phone +44 1223 553554

This document has **8** pages.

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General information about practical exams

Centres must follow the guidance on science practical exams given in the *Cambridge Handbook*.

Safety

Supervisors must follow national and local regulations relating to safety and first aid.

Only those procedures described in the question paper should be attempted.

Supervisors must inform candidates that materials and apparatus used in the exam should be treated with caution. Suitable eye protection should be used where necessary.

The following hazard codes are used in these confidential instructions, where relevant:

C	corrosive	**MH**	moderate hazard
HH	health hazard	**T**	acutely toxic
F	flammable	**O**	oxidising
N	hazardous to the aquatic environment		

Hazard data sheets relating to substances used in this exam should be available from your chemical supplier.

Before the exam

- The packets containing the question papers must **not** be opened before the exam.
- It is assumed that standard school laboratory facilities, as indicated in the *Guide to Planning Practical Science*, will be available.
- Spare materials and apparatus for the tasks set must be available for candidates, if required.

During the exam

- It must be made clear to candidates at the start of the exam that they may request spare materials and apparatus for the tasks set.
- Where specified, the supervisor **must** perform the experiments and record the results as instructed. This must be done **out of sight** of the candidates, using the same materials and apparatus as the candidates.
- Any assistance provided to candidates must be recorded in the supervisor's report.
- If any materials or apparatus need to be replaced, for example, in the event of breakage or loss, this must be recorded in the supervisor's report.

After the exam

- The supervisor must complete a report for each practical session held and each laboratory used.
- Each packet of scripts returned to Cambridge International must contain the following items:
  - the scripts of the candidates specified on the bar code label provided
  - the supervisor's results relevant to these candidates
  - the supervisor's reports relevant to these candidates
  - seating plans for each practical session, referring to each candidate by candidate number
  - the attendance register.

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Specific information for this practical exam

During the exam, the supervisor or other competent biologist (**not** the invigilator) should obtain the results needed for the supervisor's report by following the relevant steps in the question paper. The results should be recorded in the supervisor's report.

Organisation of the exam

- All candidates must have access to the materials required for Question 1 throughout the whole period of the exam.
- Half of the candidates will have access to the microscope and slide for a maximum time of one hour from the start of the exam. These candidates should start with Question 2. After one hour, or sooner if candidates have finished Question 2, they should move on to Question 1.
- For Question 2, two candidates are **not** permitted to share the same microscope and slide at the same time.
- The other candidates should start with Question 1. After one hour, these candidates should be given access to the microscope and slide. They should then move on to Question 2 as soon as they are ready.
- Candidates will only have access to the microscope and slide for one hour. They should be advised that they can answer any part of the exam paper not requiring the microscope and slide throughout the whole period of the exam.
- Access arrangements to microscopes and slides, including instructions on which question to start with and timings, must be explained to candidates before the start of the exam.

Materials to be supplied by Cambridge International

- Slide **N1**

On receipt of the slides, check that they are labelled **N1** and that no slides are broken. The slides must **not** be viewed in advance of the exam. The material on the slides is confidential and must **not** be disclosed to candidates.

The number of slides supplied by Cambridge International will be equal to half the candidate entry.

Return of slides to Cambridge International

Immediately after the exam, the slides must be:

- returned to Cambridge International in the boxes in which they were received, using the self-adhesive label supplied. The slides must **not** be included in the packet of scripts.

or

- purchased using the order form enclosed with the slides, which should be completed and returned to Cambridge International. The order form must **not** be included in the packet of scripts. Slides and boxes will be charged at the rate of £3.25 per slide plus £1 per box.

If the slides are **not** returned or purchased by the deadline stated on the order form, the charge will be £3.75 per slide plus £1 per box.

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Materials and apparatus for Question 1

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
7.0% yeast cell suspension in a beaker labelled **Y** (see **Preparation of materials**)	at least 20 cm^3	
2.0% sodium alginate solution in a beaker labelled **A** (see **Preparation of materials**)	at least 20 cm^3	
Calcium chloride solution in a beaker labelled **C** (see **Preparation of materials**)	at least 20 cm^3	
4.0% sucrose solution in a beaker labelled **S** (see **Preparation of materials**)	at least 50 cm^3	
[MH][N] Benedict's solution in a beaker labelled **Benedict's**	at least 20 cm^3	
Distilled water in a beaker labelled **W**	at least 50 cm^3	
10 cm^3 syringes	3	
1 cm^3 syringes	4	
Small test-tubes, capacity 20–30 cm^3	10	
Test-tube rack(s) to hold 10 small test-tubes	1	
Beakers, capacity 50–100 cm^3	4	
Beaker, capacity approximately 400 cm^3, suitable for heating as a water-bath, with approximately 200 cm^3 of tap water at 40–50 °C, labelled **Water-bath**	1	
Bunsen burner, tripod, gauze, heat-proof mat (bench mat) and lighter or matches	1	
Test-tube holder to hold hot test-tubes	1	
Filter funnel and filter paper	1	
Glass rod	2	
Container with approximately 200 cm^3 of tap water, labelled **For washing**	1	
Container, capacity approximately 400 cm^3, labelled **For waste**	1	
Paper towels	8	
Glass marker pen, permanent	1	
Stop-clock or timer showing seconds	1	
Suitable eye protection	1	

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Preparation of materials

A, **C** and **S** can be prepared the day before the exam.

Each solution should be kept in a covered container in a refrigerator. Solutions should be at room temperature before the start of the exam.

- **Y**, 7.0% yeast cell suspension

  This is prepared on the day of the exam. Put 7.0 g of dried yeast (for baking) into a beaker and make up to 100 cm^3 with distilled water. Mix well.

  If preparing large batches, mix well before distributing into beakers for individual candidates.

  Do **not** use yeast used for brewing as this does not always work actively enough in the time.

- **A**, 2.0% sodium alginate solution

  This is prepared by putting 2.0 g of sodium alginate into a beaker with 50 cm^3 of hot distilled water, stirring well and making up to 100 cm^3 with hot distilled water. Continue stirring until dissolved. You may need to heat it to dissolve the sodium alginate. Do not boil. Cool to room temperature.

- **C**, calcium chloride solution

  This is prepared by putting 1.5 g of calcium chloride ($CaCl_2 \cdot 6H_2O$) into a beaker and making up to 100 cm^3 with distilled water. Mix well.

- **S**, 4.0% sucrose solution

  This is prepared by sprinkling 4.0 g of sucrose, a little at a time, onto the surface of 50 cm^3 of warm distilled water, stirring continuously as you sprinkle. Make up to 100 cm^3 with distilled water.

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Materials and apparatus for Question 2

Each candidate will need:

materials and apparatus for each candidate	quantity	✓
Microscope with: ● an eyepiece lens, ×10 magnification ● a low-power objective lens, ×10 magnification ● a high-power objective lens, ×40 magnification	1 between 2	
Slide **N1**	1 between 2	

Preparation of materials

- Microscope

  Any lenses which are **not** ×10 or ×40 should be removed or replaced.

  For each candidate:
  – the microscope must be set up on low power
  – the slide must **not** be on the stage of the microscope.

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Supervisor's report

Syllabus and component number	9	7	0	0	/	3	8
Centre number							

Centre name .....

Time of the practical session .....

Laboratory name/number .....

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Temperature of exam room ..... °C

Results for **Question 1(a)(i)**

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Signed ..... (supervisor)

Name (in block capitals) .....

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