بسم اللّٰہ الرحمٰن الرحیم

EFFORT BY

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08.01.22

ZOO101 BS QUIZ No.1

03314919419

Zoology

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uestion # 6 of 10 (Start time: 03:27:18 PM, 08 January 2022)

Photographs of ethidium bromide stained gels may be made by using

elect the correct option

- Transmitted UV light
- Either a or b
- None of the above
- Incident UV light

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ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question # 7 of 10 (Start time: 03:43:41 PM, 08 January 2022) Total Marks: 1

Which things may lead to the antigen instability?

Select the correct option

- Both a & b
- High pressure
- Harsh chemicals
- High temperature

Click to Save Answer & Move to Next Question

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ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question # 8 of 10 (Start time: 03:45:19 PM, 08 January 2022) Total Marks: 1

Which type of buffers are slightly more expensive than TAE?

Select the correct option

- TBE
- None
- TPE
- Both a & b

Click to Save Answer & Move to Next Question

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ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question # 5 of 10 (Start time: 03:41:15 PM, 08 January 2022) Total Marks: 1

Sample is loaded into the slots of submerged gel using

Select the correct option

- Syringe
- Pipette
- Dropper
- Automatic micropipette

Click to Save Answer & Move to Next Question

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Question # 3 of 10 (Start time: 03:23:49 PM, 08 January 2022)

SYBR Gold method has high affinity for?

Select the correct option

- Both DNA & RNA
- Proteins
- DNA
- RNA

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sec(s)

ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question # 3 of 10 (Start time: 03:38:38 PM, 08 January 2022) Total Marks: 1

Which instrument is used to cut thin slices of material?

Select the correct option

- All of the above
- Blade
- Microtome
- Vibratome ✓

Click to Save Answer & Move to Next Question

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ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question # 2 of 10 (Start time: 03:37:35 PM, 08 January 2022) Total Marks: 1

In SYBR Gold method, the fluorescence enhancement is greater than equivalent ethidium bromide complex?

Select the correct option

- 10,000 times
- 10 times
- 1000 times
- 100 times

Click to Save Answer & Move to Next Question

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Question # 5 of 10 (Start time: 03:26:25 PM, 08 January 2022)

The pH of Trisphosphate (TPE) buffer at a concentration of 50Mm is

Select the correct option

- ○ 8.7-8.9
- ○ 7.2-7.5
- ○ 5.7-7.8
- ○ 7.5-7.8 ✓

Click to

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Bromophenol blue migrating through the gel toward the anode changes in color between

Select the correct option

- ○ Reddish-green to yellow
- ○ Bluish-green to yellow
- ○ Bluish-purple to yellow ✓
- ○ Purple-yellow to orange

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sec(s)

ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question # 4 of 10 (Start time: 03:39:44 PM, 08 January 2022) Total Marks: 1

Gel-sealing tape is also known as

Select the correct option

- VWR lab tape
- Time tape
- Gel tape
- Both b & c

Click to Save Answer & Move to Next Question

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ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question # 9 of 10 (Start time: 03:46:10 PM, 08 January 2022) Total Marks: 1

Electrophoresis buffers are prepared and then filled in

Select the correct option

- Combs
- Glass plate
- DNA sample
- Electrophoresis tank

Click to Save Answer & Move to Next Question

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sec(s)

ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question #10 of 10 (Start time: 03:47:47 PM, 08 January 2022) Total Marks: 1

The great advantage of ethidium bromide is the ability to examine the Agarose gels directly by

Select the correct option

- Microscope
- UV illumination
- Imaging
- X-rays radiations

Click to Save Answer & Move to Next Question

SAFDAR RIND

Question # 2 of 10 (Start time: 03:22:46 PM, 08 January 2022)

Gel-sealing tape is also known as

Select the correct option

- ○ Both b & c
- ○ VWR lab tape
- ○ Gel tape
- ○ Time tape

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Question # 8 of 10 (Start time: 03:30:13 PM, 08 January 2022)

Electrophoresis buffers are prepared and then filled in

Select the correct option

- ○ DNA sample
- ○ Electrophoresis tank
- ○ Combs
- ○ Glass plate

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sec(s)

ZOO101 - Biological Techniques (Quiz1) Quiz Start Time: 03:37 PM, 08 January 2022

Question # 6 of 10 (Start time: 03:42:33 PM, 08 January 2022) Total Marks: 1

By staining DNA with SYBR Gold, increase in sensitivity of conventional photography can be obtained by?

Select the correct option

- 10-20 folds
- 10 folds
- 20-30 folds
- 30-50 folds

Click to Save Answer & Move to Next Question

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Question # 1 of 10 (Start time: 03:21:47 PM, 08 January 2022)

The process used to separate, identify and purify DNA fragments is called

Select the correct option

- ○ Distillation
- ○ Electrophoresis
- ○ Staining
- ○ Fragmentation

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In SYBR Gold method, the fluorescence enhancement is greater than equivalent ethidium bromide complex?

Select the correct option

- 1000 times
- 10 times
- 10,000 times
- 100 times

Click to Save Answer & Mov

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Time Left 80

ZOO101 - Biological Techniques (Quiz 1)

Quiz Start Time: 03:51 PM, 08 January 202

Question # 4 of 10 (Start time: 03:56:10 PM, 08 January 2022)

Total Marks

The vibrating microtome operates by cutting using a vibrating blade, allowing the resultant cut to be made with how much pressure than would be required for a stationary blade

Select the correct option

- Less pressure
- High pressure
- Zero pressure
- Zero pressure

Click to Save Answer & Move to Next Question

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ZOO101 - Biological Techniques (Quiz 1)

Question # 2 of 10 (Start time: 03:53:04 PM, 08 January 2022)

In electrophoresis process, water bath presets at temperature

Select the correct option

- 65°C
- 25°C
- 55°C
- 50°C

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Click to Save

Quiz S

ZOO101 - Biological Techniques (Quiz 1)

Question # 7 of 10 (start time: 04:00:50 PM, 08 January 2022)

In gel documentation system, images are directly transmitted to a computer and visualized in

Select the correct option

- Virtual time
- Short time
- Any time
- Real time

Click to Sav

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ZOO101 - Biological Techniques (Quiz 1)

Question # 6 of 10 (Start time: 03:59:17 PM, 08 January 2022)

SYBR Gold method has high affinity for?

Select the correct option

- ○ Proteins
- ○ RNA
- ○ Both DNA & RNA
- ✓ DNA

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00101 - Biological Techniques (Quiz 1)

Question # 8 of 10 (Start time: 04:02:23 PM, 08 January 2022)

For preparation of agarose gel, powdered agarose is added to a measured quantity of

Select the correct option

- Ethidium bromide
- Ethyl alcohol
- Buffer
- Water

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Click to Save

ZOO101 - Biological Techniques (Quiz 1)

Question # 9 of 10 (Start time: 04:03:57 PM, 08 January 2022)

Which things may lead to the antigen instability?

Select the correct option

- ○ Harsh chemicals
- ○ High pressure
- ○ High temperature
- ○ Both a & b

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ZOO101 - Biological Techniques (Quiz 1)

Question # 10 of 10 (Start time: 04:05:31 PM, 08 January 2022)

Detection of DNA in Agarose gel is done by which methods?

Select the correct option

- Ethidium bromide
- Both a & b
- SYBR Gold
- Gel electrophoresis

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Click to Sav