

Medical Oxygen Sensors Revision Questions (Edition 1.0)

Please review the Introduction (DOCID 139844) and Technical (DOCID 181837) training notes in the document index and answer the following questions.

Please note: Some questions may have multiple answers.

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What does a medical oxygen sensor measure? *

- Partial pressure of oxygen
- Humidity in the environment
- Temperature of the gas
- Level of carbon dioxide

Which of the following is a noble metal used in sensor cathodes? *

- Zinc
- Copper
- Platinum
- Lead

Which of the following devices might use a medical oxygen sensor? *

- Blood glucose monitor
- Anaesthetic machine
- Thermometer
- Sphygmomanometer

What is the typical gas flow rate recommended for oxygen sensor calibration? *

- 2 - 5 l/min
- 10 - 15 l/min
- 0.5 - 1 l/min
- 6 - 8 l/min

What method does Maxtec use to slow down oxygen sensors and prolong shelf life? *

- Nitrogen flushing
- Applying a gas barrier tape
- Vacuum sealing
- Freezing the sensors

Above what oxygen concentration is calibration in 100% oxygen recommended? *

- 40%
- 21%
- 30%
- 50%

How should sensors be stored to maintain maximum shelf life? *

- In direct sunlight
- In sealed bags or with tape in place
- Inside a freezer
- Submerged in water

What is the theoretical lifespan in days of a sensor rated for 1,000,000 % oxygen hours when used in 100% oxygen? *

- 100 days
- 416 days
- 365 days
- 1000 days

Which of the following companies originally certified their sensors for medical use but no longer carry the correct accreditations? *

- Envitec
- Teledyne
- Maxell / Figaro
- ITG

Which of the following best describes a characteristic of the UFO sensor series? *

- Ultra-long lifespan
- Lead-free and disposable
- Compatible with all ventilators
- Ultra-fast response time

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