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ARTICLE TITLE: Nonfrozen Transport Medium Preserves and Restores Skeletal Muscle Enzymatic Activity and Morphology

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1. The muscle biopsy plays an integral role in the evaluation of patients with neuromuscular disease.

True False

2. The frozen muscle specimen is used for:

- A. immunohistochemical studies
- B. enzyme histochemical studies
- C. immunofluorescence studies
- D. **all of the above**

3. The ideal temperature to freeze a muscle biopsy is:

- A. -10 C
- B. -20 C
- C. -70 C
- D. **-160 C**

4. Muscle biopsy tissue stored in ACTP has been known to restore badly damaged tissue due to freezing artifact.

True False

5. Who was the first person in 1849 to describe pathologic features encountered in skeletal muscle?

- A. Rosai
- B. **Duchenne**
- C. Cumming
- D. Karpati

6. Cryoprotectants are chemicals that dissolve in water and raise the melting point, thereby reducing the injury of cells during freezing and thawing.

True **False**

7. The penetrating cryoprotectant ACTP, was originally developed as a tissue transport solution for organs.

True False

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