

Acknowledgments

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Definitions

1. ATP - adenosine triphosphate
2. ADP - adenosine diphosphate
3. Ca^{2+} - calcium ion
4. $+\text{dP}/\text{dt}$ - the rate of relaxation
5. $-\text{dP}/\text{dt}$ - the rate of tension development
6. Fatigue - the inability to produce an expected or desired force output
7. H^+ - hydrogen ion
8. NADH - nicotinamide adenine dinucleotide
9. pCa - the $-\log [\text{Ca}^{2+}]$
10. P_o - the maximum tetanic force
11. pH - the $-\log [\text{H}^+]$
12. pH_i - intracellular pH
13. pH_o - extracellular pH
14. P_i - inorganic phosphate
15. SR - sarcoplasmic reticulum