

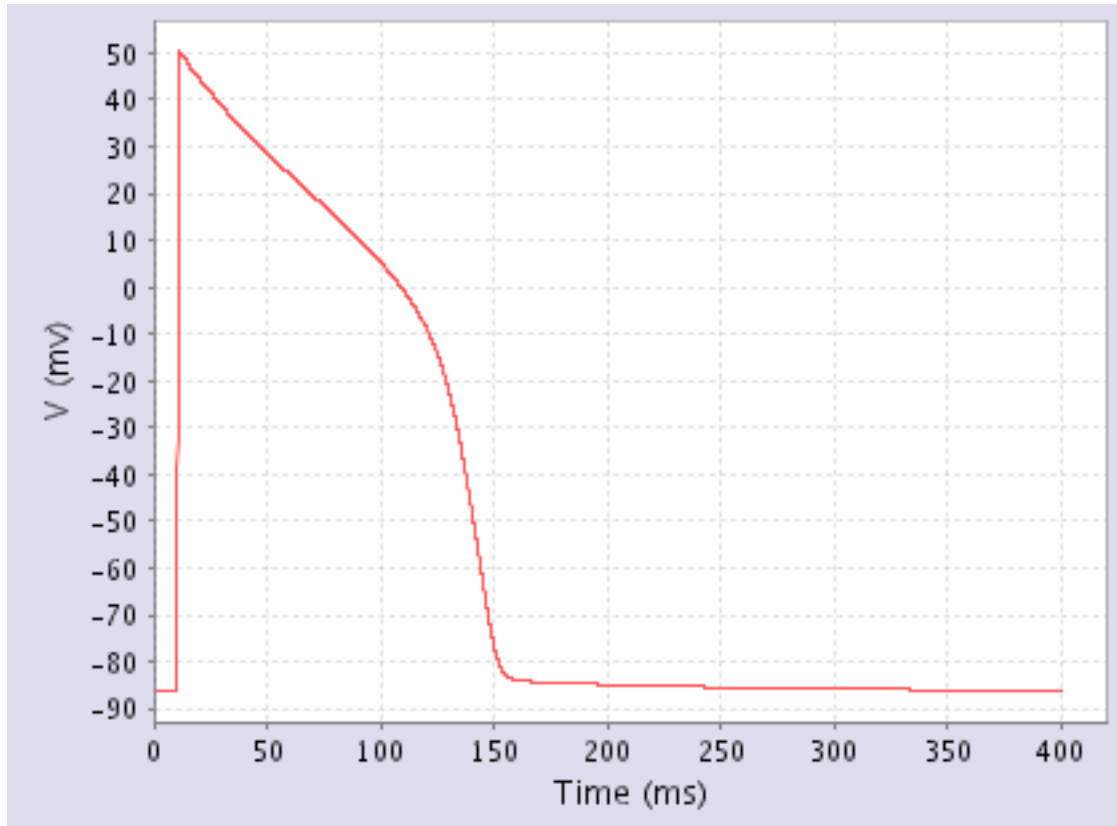
Human Ventricular IKsWT-SR05-ESM

Enhanced Simucore Model Based Upon: Silva-Rudy Markovian Model of Human Wild-Type IKs Channels in a Cardiac Ventricular Cell, 2005; v. 2.0

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1 Description



This model simulates guinea pig ventricular action potentials. The original Hodgkin-Huxley type formulation of the slow component of the delayed-rectifier potassium current (I_{K_S}) was replaced with the Markovian model of human I_{K_S} .

2 References

- Silva J, Rudy Y.
Subunit interaction determines IKs participation in cardiac repolarization and repolarization reserve.
Circulation. 2005 Sep 6;112(10):1384-91.
PMID: [16129795](https://pubmed.ncbi.nlm.nih.gov/16129795/)

3 Ordering

- [Order this model](#) or [request further information](#).