

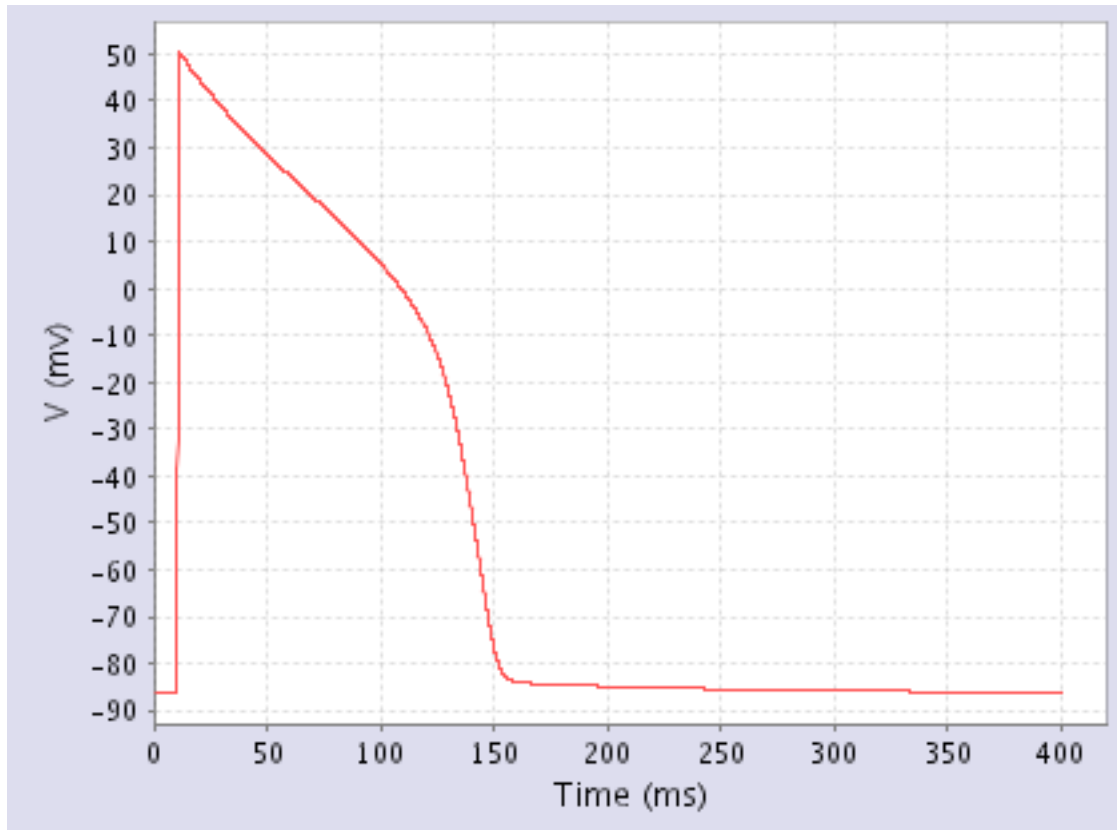
Human Ventricular IKsWT-SR05-ESM

**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



Example action potential (BCL = 400 ms).

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

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](#).