

HEK293 K_v11.1 (hERG) Cell Line

Catalog # C1103

Category	Specification
Product Details	
Description and Intended Use	A stable, recombinant HEK cell line overexpressing hERG potassium channels for studying K _v 11.1 pharmacology and safety screening
Host	HEK293
Freezing Medium	Bambanker® Serum-Free Freezing Medium
Recommended Cell Culture Media ¹	Advanced MEM with 5% FBS, 1X GlutaMAX™, and 3 µg/mL Puromycin
Storage Temperature(s)	Short Term: -80°C (product ships in dry ice pellets) Long Term: -150°C to -200°C
Container	Polypropylene, Cryogenic Vial (rated for LN ₂ vapor phase storage only)
Product Contents	
Average Cell Suspension Volume/Vial	≥ 0.9 and ≤ 1.1 mL
Average Cell Count/Vial	> 2.0 x 10 ⁶
Sterility	
PCR Mycoplasma Testing ²	Not Detected
Viability	
Post-thaw Cell Viability	> 95%
Post-thaw Growth to Confluence	Confluence reached within 3 days in a T75 flask
Guaranteed Usage	> 10 passages
Biology	
K _v 11.1 (hERG) Channel Function	Potassium channel inhibitor response tested by Thallium Flux Assay or by Thallium-free hERG Potassium Channel Assay ³

1 – See product Protocol for detailed cell recovery and cell culture methods, available on the product webpage

2 – ATCC PCR-based Mycoplasma Detection Service used for sterility specification

3 – Check out ION Biosciences' [Thallium-free hERG Potassium Channel Assay Kit \(Cat# 12100\)](#) available in 2 and 10-plate sizes