



Complete and cost-effective solution for qualification of hPSC lines

We offer a variety of methods to help you characterize your human pluripotent stem cells (hPSCs). From the PluriTest™ assay-compatible Applied Biosystems™ PrimeView™ Global Gene Expression Profile assays, which provide quick verification of pluripotency, to Applied Biosystems™ TaqMan® hPSC ScoreCard™ panels, which confirm trilineage differentiation potential, our tools can help you authenticate your PSC lines with confidence. This characterization process enables you to verify the quality of your induced pluripotent stem cells (iPSCs) to move your research goals forward.

Complete hPSC characterization solution overview

Confirm	Pluripotency	Trilineage differentiation potential	Genomic stability
Product	PrimeView Global Gene Expression Profile Assays	TaqMan hPSC ScoreCard Panel	Applied Biosystems™ KaryoStat™ assays
Description	PluriTest-compatible, easy-to-use, and cost-effective assessment of pluripotency marker expression, with a free, cloud-based analysis tool	Quantitative and cost-effective analysis of trilineage differentiation potential, with focused assessment of pluripotency marker-expression at a fraction of the time and cost of teratoma formation	Quantitative karyotyping and genotyping in a single assay for up to half the cost of karyotyping by G-banding
Assay platform	Array-based	PCR-based	Array-based
Compatible equipment	<ul style="list-style-type: none"> Applied Biosystems™ GeneChip™ Scanner 3000 systems Applied Biosystems™ GeneTitan™ MC Instrument 	Applied Biosystems™ real-time PCR systems: <ul style="list-style-type: none"> QuantStudio™ 12K Flex system ViiA™ 7 system StepOnePlus™ system QuantStudio™ 6 and 7 Flex systems 7500 Fast system 7900HT Fast system 	GeneChip Scanner 3000 systems

Ordering information

Product	Product Size	Reactions	Compatible instruments	Cat. No.
KaryoStat Assay	24 x 1 sample array plates	24	GeneChip Scanner 3000 systems	905403
KaryoStat HD Assay	24 x 1 sample array plates	24	GeneChip Scanner 3000 systems	905404
PrimeView Global Gene Expression Profile Assay	30 x 1 sample array plates	30	GeneChip Scanner 3000 systems	905400
PrimeView 16 Global Gene Expression Profile Assay	1 x 16 sample array plate	16	GeneTitan MC Instrument	905402
TaqMan hPSC ScoreCard Kit, 384-well	1 x 384-well plate	4	Various qRT-PCR systems	A15872
TaqMan hPSC ScoreCard Kit, Fast 96-well	2 x 96-well plates	2	Various qRT-PCR systems	A15871
TaqMan hPSC ScoreCard Panel, 384-well	1 x 384-well plate	4	Various qRT-PCR systems	A15870
TaqMan hPSC ScoreCard Panel, Fast 96-well	2 x 96-well plates	2	Various qRT-PCR systems	A15876

Find out more at thermofisher.com/characterization