



KaryoStat assays are designed to accelerate your research

The Applied Biosystems™ KaryoStat™ service is an alternative to G-banding karyotyping. The service leverages the array-based Applied Biosystems™ KaryoStat™ Assay, which offers whole-genome coverage for accurate and cost-effective detection of chromosomal abnormalities.

One of the keys to successful stem cell culture is the ability to quickly and precisely analyze the genomic integrity of your stem cell lines so that you can move forward confidently with your research.

KaryoStat assays feature:

- **Fast results**—delivery of results in 3 weeks or less, and in most cases faster than G-banding
- **Easy sample prep**—we use a frozen cell pellet, alleviating many of the concerns of shipping live cells
- **Higher resolution**—our microarray resolution is ~5x higher than G-banding

Experience KaryoStat assay technology for yourself by contacting your representative today:

Name:
Phone:
Email:

Find out more about our stem cell characterization services at thermofisher.com/karyostat

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Stem cell characterization services—fast, reliable, and cost-effective

PluriTest Services

Invitrogen™ PluriTest™ Services enable quick and cost-effective verification of pluripotency. The technology leverages well-established methods for verifying pluripotency with over 16,000 samples analyzed.

For each sample, more than 36,000 transcripts and variants are compared against an extensive reference set of more than 450 samples, allowing for a direct and detailed comparison of your submitted sample data to hundreds of previously characterized pluripotent and nonpluripotent data sets.

TaqMan hPSC Scorecard Panel

The Applied Biosystems™ TaqMan® hPSC Scorecard Panel enables verification of pluripotency and determination of lineage bias for both embryonic and induced pluripotent stem cell lines.

For stem cell researchers seeking to access the characterization data that the TaqMan Scorecard Panel provides, Invitrogen™ CellModel Services offer a fast and cost-effective method to characterize your stem cells.

Comparison of PluriTest Services and TaqMan hPSC Scorecard Panel

Pluripotency testing		
	TaqMan hPSC Scorecard Panel	PluriTest Services
Description	A series of 93 genes to confirm pluripotency as well as predict differentiation potential	We look at over 36,000 transcripts to confirm pluripotency
Features	Confirms pluripotency, determines germ layer potential	Confirms pluripotency
Timelines	Less than 3 weeks	
Sample	Frozen cell pellet of 2 million cells	
Analysis	Leverages specialized algorithms to confirm pluripotency (you can find examples of the data analysis you will receive on the webpage listed below)	

Find out more about our stem cell characterization services at thermofisher.com/characterization

