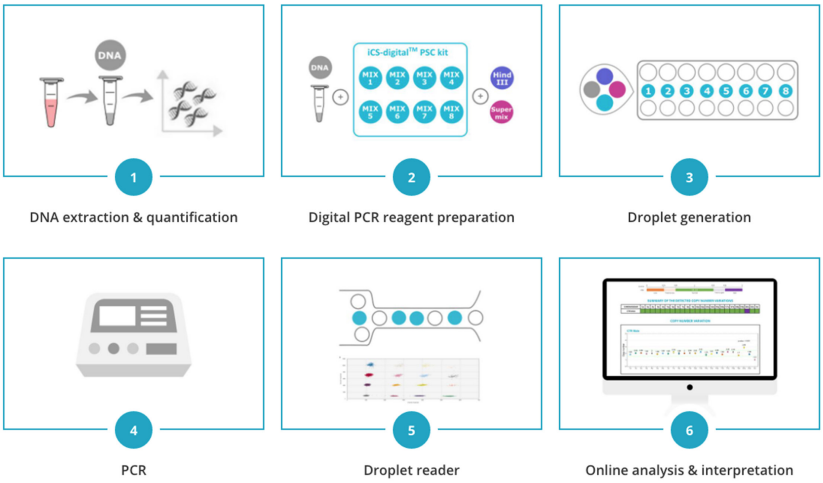
iCS-digital™ PSC 24-probes kit

The iCS-digital™ PSC 24-probes kit allows the detection by digital PCR of more than 90% of recurrent genomic abnormalities in human pluripotent stem cells (hPSCs).

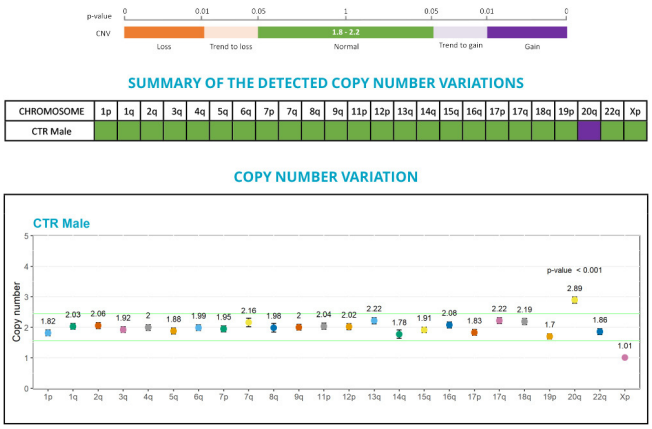


SPECIES	CELL TYPES	COMPATIBLE INSTRUMENTS	STORAGE	SIZE	COVERAGE	MOSAICISM
Human	hPSCs: ESCs & iPSCs	QX100 and QX200 Droplet Digital PCR Bio-Rad system	-20°C upon reception	20 tests	91% of recurrent abnormalities	> 20% (depending on sample quality)

The iCS-digital™ PSC kit is a precise and sensitive test for the detection of the most common genomic defects observed in cultured human Pluripotent Stem Cells (hPSCs). The kit, based on the digital PCR technology, allows the reliable quantification of 24 different DNA targets using eight multiplex assays (Mix 1 to 8). The kit also includes a validated normal genomic DNA control sample (XY).

Data processing, statistical analysis, and graphical representation of the results are performed in an automated and explicit way, thanks to the online iCS-digital™ analysis tool provided by Stem Genomics.

For Research Use Only



Example of test report generated using the iCS-digital™ software for easy data analysis and interpretation.

The iCS-digital™ PSC kit allows the fast and easy in-house analysis of the most common genomic defects occuring in hPSCs.

Recurrent Genetic Abnormalities in Human Pluripotent Stem Cells: Definition and Routine Detection in Culture Supernatant by Targeted Droplet Digital PCR. Stem Cell Reports 2020 Jan14;14(1):1-8.

Assessing the Genome Integrity of Human Induced Pluripotent Stem Cells: What Quality Control Metrics? Stem Cells 2018 Jun;36(6):814-821.

stemgenomics cell integrity

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