ISSCR INTERNATIONAL SOCIETY FOR STEM CELL RESEARCH

STEM CELL REPORTS

SnapShot

Reporting practices for publishing results with human PSCs and tissue stem cells

ISSCR Task Force for Basic Research Standards[1]

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Metadata

Describe the source of the cells/cell line including:	Reference section	Page reported in manuscript
Name (or names)/alias of line	1.4; 5.1.2	
Unique ID/registry # (name of registry)	1.4	
Source (vendor and catalog number if obtained commercially); biopsy site and derivation details (if derived)	4.1.1; 5.1	
Additional metadata as applicable (e.g., sex, ethnicity, disease information, known mutations, etc.)	4.1.2; 5.4.1	

Culture details

Describe methods used for isolation, maintenance, and preservation of the cells including:	Reference section	Page reported in manuscript
Passaging/dissociation/split ratio	3.2; 4.2.2; 5.1.1	
Freezing and thawing	5.1.1	
Culture reagents used (e.g., media, matrices, growth factors, etc.) with vendor and catalog number	4.2.2; 5.1.1	
The passage number of the cryopreserved/characterized Master Cell Bank or Working Cell Bank stocks used, and the number of subsequent passages prior to and during experimentation	1.2; 3.2.2; 5.1.1	

Basic characterization

Describe the assessment of the following including when they were performed relative to the experiments:	Reference section	Page reported in manuscript
Authentication	1.3; Appendix 1	
Mycoplasma	1.6; Appendix 1	
Sterility (bacteriostasis/fungistasis)	1.6; Appendix 3	

Genomic characterization

Describe the genomic characterization including:	Reference section	Page reported in manuscript
Methodology used including sufficient detail to allow an assessment of sensitivity (e.g. the number of cells analyzed/resolution/depth of analysis)	3.1; 5.3; Appendix 5	
Timing of analysis in relation to key experiments reported	3.2	

Characterization of pluripotency and the undifferentiated state (PSCs only)

Describe the following:	Reference section	Page reported in manuscript
Assay methodology	2.1; 2.2; 5.2; Appendix 4	
Quantitative results along with statistical analysis	2.1; 2.2; 5.2; Appendix 4	
Timing of analysis in relation to key experiments reported	2.1; 2.2; 5.2	

Confirmation of cell type (TSCs only)

Describe the characterization of the following:	Reference section	Page reported in manuscript
Starting population(s) with recognized markers and methods	4.1; 4.3.1; 5.4.1	
Phenotype of expanded cells	4.1; 4.3.1; 5.4.1	
Demonstration of lineage potential	4.1; 4.3.1	

Molecular characterization

Describe the following:	Reference section	Page reported in manuscript
Confirmation of disease mutation (if applicable)	4.3.4	
Confirmation of genetic modification (if applicable)	4.4.3; 4.4.4	

Experimental details

Describe the following:	Reference section	Page reported in manuscript
Information regarding the experimental unit or sample type for each experiment (e.g. individuals, cell lines, clones, tissues, organoids, devices, batches, cells, etc.)	4.4.4; 5.4.2	
Number of replicates (biological/technical)	4.2.2; 5.4.2	

Data practices

Information on:	Reference section	Page reported in manuscript
Statistical methods used	4.4.1; 5.4.2	
Inclusion of the data and annotation code/software used for phenotype classification for computationally derived classifiers (if applicable)	5.4.4	
Verification that FAIR (https://www.go-fair.org/fair-principles) and CARE (https://www.gida-global.org/care) data management principles were followed	5.4.4	

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