



Thaw and Culture Details

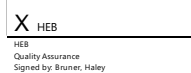
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|----------------------------------|--|
| Cell Line Name | PENN152i-M18-1 |
| WiCell Lot Number | DB36652 |
| Provider | University of Pennsylvania – Dr. Daniel Rader |
| Banked By | Penn Institute for Regenerative Medicine iPS Core Facility |
| Thaw and Culture Recommendations | The Provider recommends thawing 1 vial into 2 wells of a 6 well plate. The Provider recommends thawing using ROCK Inhibitor for best results. |
| Culture Platform | Feeder Dependent |
| | Medium: hESC Medium (KOSR) |
| | Matrix: MEF |
| Protocol | WiCell Feeder Dependent Protocol |
| Passage Number | p17 These cells were cultured for 17 passages prior to freeze and post colony picking. Therefore, plated cells at thaw should be labeled passage 18. |
| Date Viald | 01-June-2014 |
| Vial Label | iPS M18 Sev 1 P17 6/1/2014 JA |
| Biosafety and Use Information | Appropriate biosafety precautions should be followed when working with these cells. The end user is responsible for ensuring that the cells are handled and stored in an appropriate manner. WiCell is not responsible for damages or injuries that may result from the use of these cells. Cells distributed by WiCell are intended for research purposes only and are not intended for use in humans. |

Testing Reported by Provider

The Provider stated that some or all of the additional analyses listed below may have been performed for this cell line. For more information, publication and dbGaP links, where available, are provided on the cell line specific web page on the WiCell website.

- SNP microarray
- Flow Cytometry (Tra1-60 and SSEA-4)
- Differentiation into hepatocytes
- Infinium® Expanded Multi-Ethnic Genotyping Array (MEGA^{EX})

Please note: Prior to shipment of these cells, WiCell will perform the following characterization assays: post-thaw viable recovery, identity by STR, sterility, mycoplasma, and karyotype.

| Approval Date | Quality Assurance Approval |
|---------------|--|
| 27-June-2016 |  3/6/2018 X HEB HEB Quality Assurance Signed by Bruner, Haley |