



Custom iPSC Generation Service

- Method: Retroviral delivery of Oct4, Sox2, cMyc, and Klf4 reprogramming factors. Morphological selection of colonies [no reporter genes used].
- Customer provides: Customer provides 2 vials of each cell type. Standard service is for reprogramming fibroblast cells, such as MEF or TTF (mouse) and HFF (human). Other easy to grow cells, such as epithelial cells, should also be fine. Difficult to grow cells, such as neurons, will be evaluated on a case by case basis, and may cost more than the standard service.
- SBI provides: 5 validated iPSC colonies for each genotype ($>2 \times 10^5$ cells / colony).
- Validation: SSEA-1/4 and Nanog immunostaining to demonstrate pluripotency.
- Timeline: Mouse: 2-3 months [reprogramming and expansion requires a minimum of 1 month]
Human: 3-4 months [reprogramming and expansion requires a minimum of 2 months]