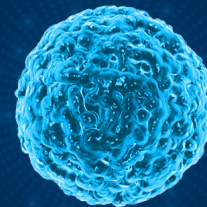


Gibco™ Pluripotent Stem Cell Workshop



Day 1

- Introduction to pluripotent stem cell (PSC) culture techniques
- Passage your own plate of PSCs cultured on mouse embryonic feeders (MEFs) using KnockOut™ Serum Replacement-supplemented medium
- Passage your own plate of PSCs cultured in feeder-free conditions using Essential 8™ Medium
- Derive embryoid bodies, which represent the beginning steps of differentiation
- Learn how to passage PSCs, both enzymatically and manually, using the StemPro® EZPassage™ Tool
- Freeze and thaw your own PSC cultures

Day 2

- Maintain your cells from day 1—complete the process for daily inspections and media changes as you would in your own lab
- Learn the detailed steps of reprogramming and how to generate induced pluripotent stem cells (iPSCs) with a workflow demonstration using the CytoTune®-iPS Sendai Reprogramming Kit
- Learn the detailed steps of reprogramming and how to generate iPSCs using non-integrating episomal vectors with Essential 8™ and Essential 6™ media
- Detect your iPSCs using Alkaline Phosphatase Live Stain and CD44/TRA-1-60 Conjugates (for live cell imaging)

Day 3

- Introduction to cellular and molecular characterization of PSCs
- Maintain your cells from days 1 and 2—complete the process for daily inspections and media changes as you would in your own lab
- Learn characterization techniques, including surface antibody staining, fluorescence-activated cell sorting (FACS) analysis, and immunocytochemistry
- View demos of characterization reagents and instruments, including Attune® cytometer, the QuantStudio™ 12K Flex Real-Time PCR System, and the Ion PGM™ System

For more information on course dates, fees, and registration, please go to thermofisher.com/pscworkshop