



شرکت سلول بافت زیست (سبز)

Production and Culture of Embryonic Stem Cells

Theory sessions:

- ✓ about principles, specifications and applications of stem cells
- ✓ Preparation of Mouse Embryonic Fibroblasts (MEF)
- ✓ cell culture / Freezing, Thawing and passaging
- ✓ production of embryonic stem cells and identification and characterization methods
- ✓ Preparation of blastocysts from the uterus of pregnant mice and its culture
- ✓ Principles of embryonic bodies (EB) Preparation and differentiation of cells

Practical Session:

- ✓ Preparation of MEF
- ✓ MEF culture / Freezing, Thawing and passaging
- ✓ blastocysts isolated from pregnant rat uterus
- ✓ Isolation of ES from MEF
- ✓ embryonic bodies (EB) Preparation and differentiation of ES cells
- ✓ culture of isolated blastocysts