



Figure 7. ES and TS cells from the blastocyst. ES cells are derived from ICM cells and can be kept in culture without differentiating. They can be genetically manipulated while in culture. ES cells can be reintroduced into blastocysts and then colonize all tissues in the embryo, including the germline, but excluding the TS cells of the placenta. TS cells can be established similarly into culture from the TE cells of the blastocyst and, when reintroduced into blastocysts, contribute to placental cell types.