Derivation of fate-committed Schwann cells from BMSCs

BMSCs → Neural progenitor enrichment → BM-NPs (10 days)

BM-NPs → Glial differentiation medium → SCLCs (7 days)

SCLCs → Co-culture with DRG neurons → Schwann cells (15 days)

BMSC = bone marrow stromal cell
BM-NP = bone marrow-derived neural progenitors
SCLC = Schwann cell-like cell