

# Differentiation Protocol for: Neural Crest

For direct neural crest differentiation, hES cells were plated in defined media lacking Activin A and supplemented with 2 micromolar GSK3 inhibitor IX (BIO) and 20 micromolar SB 431542 (SB media). Neural crest identity was confirmed by immunocytochemistry and RT-PCR positive detection of p75, Hnk1, AP2 and FoxD3 NC markers, as well as negative detection of hESCs markers (Sox2, Oct4, Nanog) and neural progenitor markers (Pax6, Sox2).

Reference:

Menendez et al. 2011; 2013