19. The method of any one of claims 16-18, wherein said neuronal progenitor cells expressing Glial fibrillary acidic protein (GFAP), O4, β-Tubulin and/or Nestin.

20. A method of generating an endodermal cell in a suspension culture, comprising culturing human pluripotent stem cells under conditions suitable for differentiation of said human pluripotent stem cells to an endodermal cell lineage, wherein said human pluripotent stem cells comprise at least 50% human pluripotent stem cells characterized by an endogenous $OCT4^{+}/TRA1\text{-}60^{-}/TRA1\text{-}81^{-}/SSEA1^{+}/SSEA4^{-}$ expression signature and being capable of differentiating into endoderm, ectoderm and mesoderm embryonic germ layers in a suspension culture,

thereby generating the endodermal cell in the suspension.

21. The method of claim 20, wherein said conditions comprise culturing the human pluripotent stem cells in a suspension culture in the presence of a differentiation culture medium suitable for differentiation of said human pluripotent stem cells to the endodermal cell.

22. The method of claim 21, wherein said differentiation culture medium suitable for differentiation of said human pluripotent stem cells to the endodermal cell comprises Activin.

23. The method of any of claims 20 to 22, wherein said endodermal cell expresses PDX1.

24. The method of any of claims 20 to 22, wherein said endodermal cell expresses SOX17.

25. A method of generating lineage-specific cells from human pluripotent stem cells, the method comprising:

(a) culturing the human pluripotent stem cells in a suspension culture, wherein said human pluripotent stem cells comprise at least 50% human pluripotent stem cells characterized by an endogenous $OCT4^{+}/TRA1\text{-}60^{-}/TRA1\text{-}81^{-}/SSEA1^{+}/SSEA4^{-}$ expression