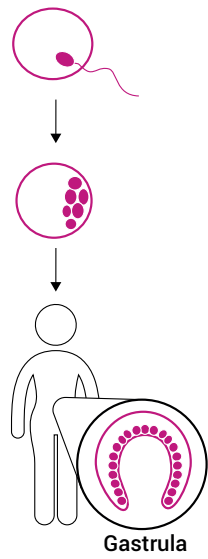




How do pluripotent cells develop?

A) in vivo

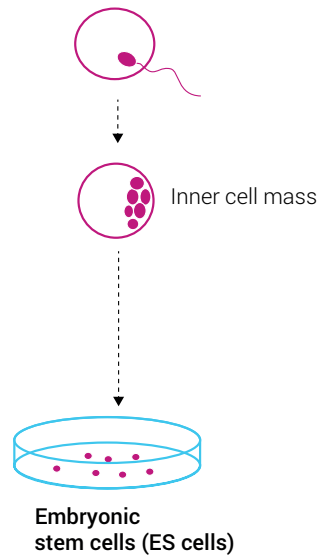


Zygote

Blastocyst

Gastrula

B) in vitro



Embryonic stem cells (ES cells)

Ectoderm (outside layer)

Mesoderm (middle layer)

Endoderm (inside layer)

Germ cells

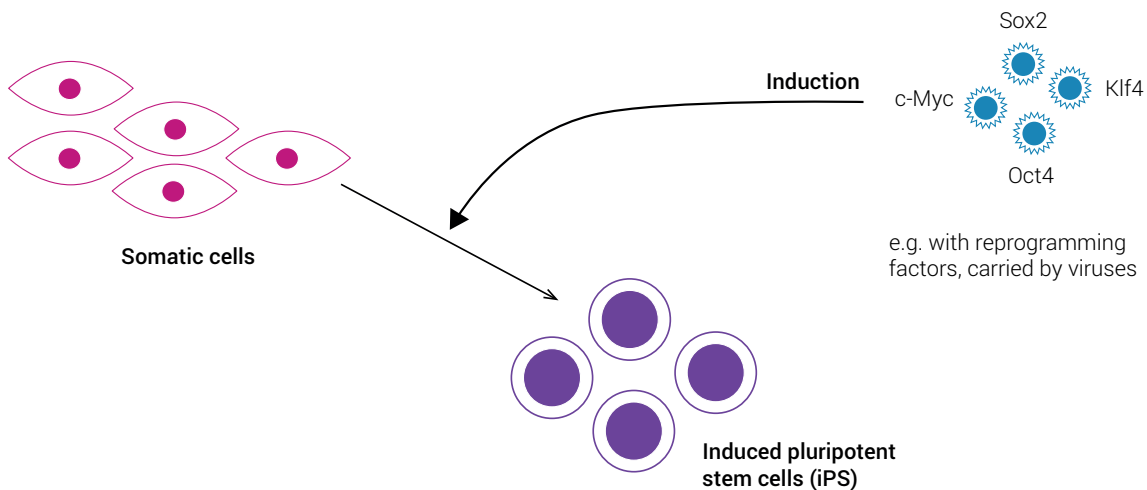
for example:
skin, nerves, sensory organs

for example:
blood, muscles, bones

for example:
pancreas, lungs, liver

sperm, oocyte

C)



Ectoderm (outside layer)

Mesoderm (middle layer)

Endoderm (inside layer)

Germ cells

for example:
skin, nerves, sensory organs

for example:
blood, muscles, bones

for example:
pancreas, lungs, liver

sperm, oocyte

