FORMULATION I & II
Cell Type
3.18.05 and 3.28.05

zygote

teratogen

cell type

tissue

organ

apoptosis

control of gene expression

fate

potency
determination (commitment)

differentiation

determinants

inducers

cleavage

gastrulation

neurulation/organogenesis

germ layers

ectoderm

endoderm
mesoderm

cell types

housekeeping
determination
differentiation

skeletal muscle

organizer

somite

β-catenin

TCF3
combinatorial code

VegT

transcription factor

TGFβ

nodal

Ser/Thr kinase receptor

inducing center

myotome

myotubes

muscle fibers
MyoD
gene family