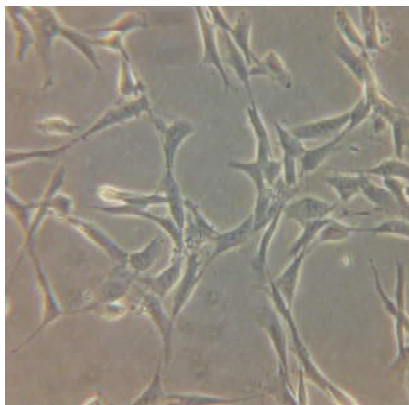


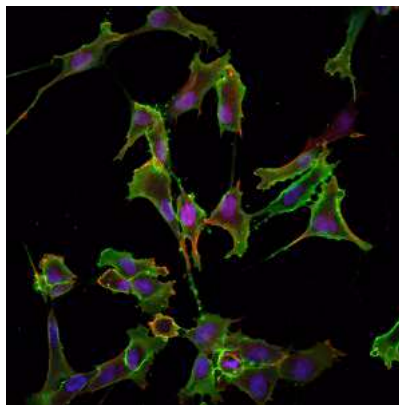
Dermal Fibroblasts – human and Cynomolgus monkey

Normal dermal fibroblasts are isolated from the human dermis of juvenile/ infantile foreskin or human adult skin from different locations like face, breasts or abdomen. Cynomolgus fibroblasts are isolated from face skin of adult animals. Fibroblasts are cryopreserved at passage 1 (P1). Each vial contains more than 500.000 viable cells after thawing. Proliferating cell cultures are made from cryo-preserved cells, which have been thawed and cultured at PRIMACYT.

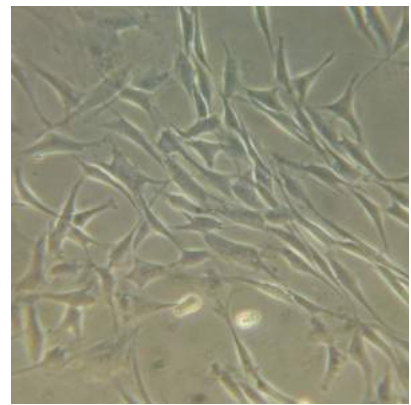
The cells are tested for morphology, cell viability, and adherence rate. Growth performance is tested through multiple passages up to at least 15 population doublings. Immuno-histochemical staining of the fibroblast specific antigen CD90 is performed for human fibroblasts.



normal human fibroblasts,
derived from juvenile foreskin,
phase contrast, passage 1
after isolation



normal human fibroblasts
derived from juvenile
foreskin, stained for fibroblast
specific surface antigen CD90
(green), F-actin stained with
Phalloidin-TRITC (red), nuclei
stained with Hoechst 33342
(blue), passage 1 after
cryopreservation



normal Cynomolgus fibro-
blasts, derived from face skin,
phase contrast, passage 2
after cryopreservation

Recommended medium for the culture of Dermal Fibroblasts:

FGM-500 Fibroblast Growth Medium