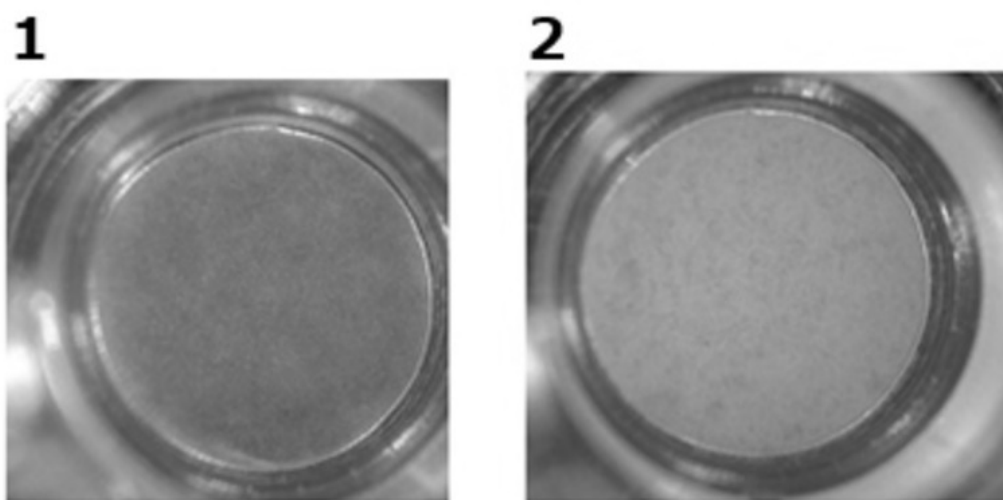
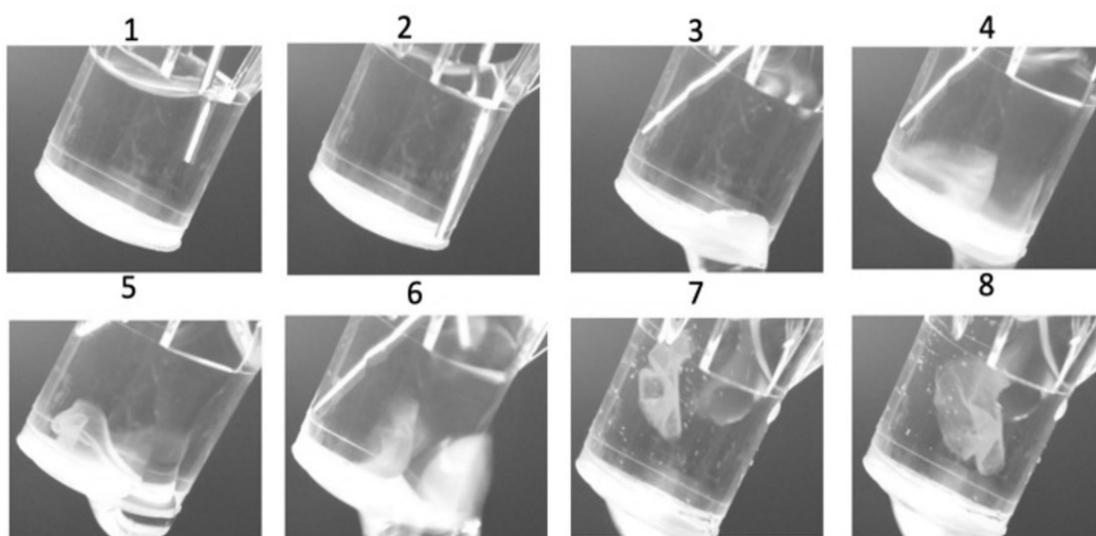


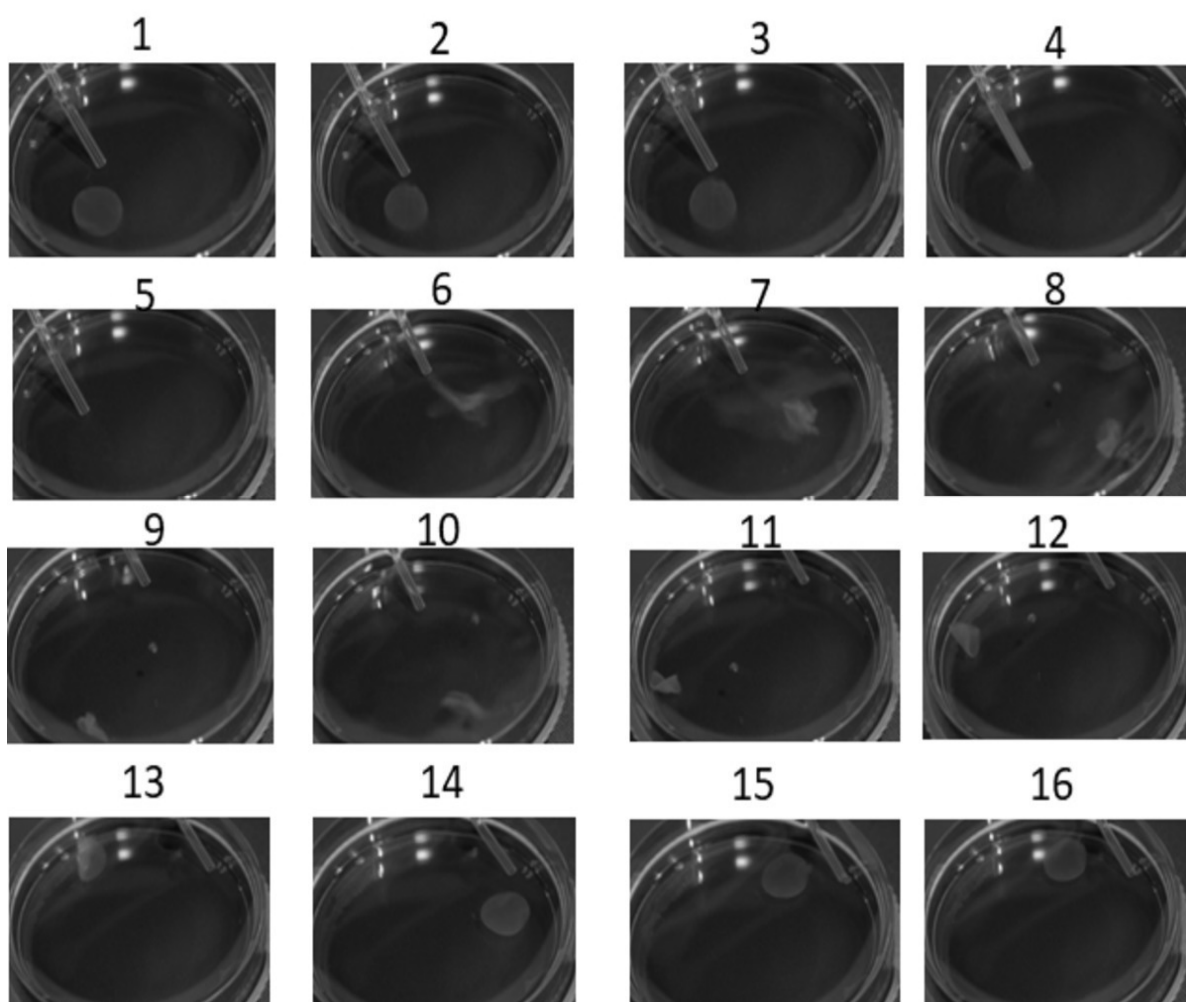
[Fig. 1]



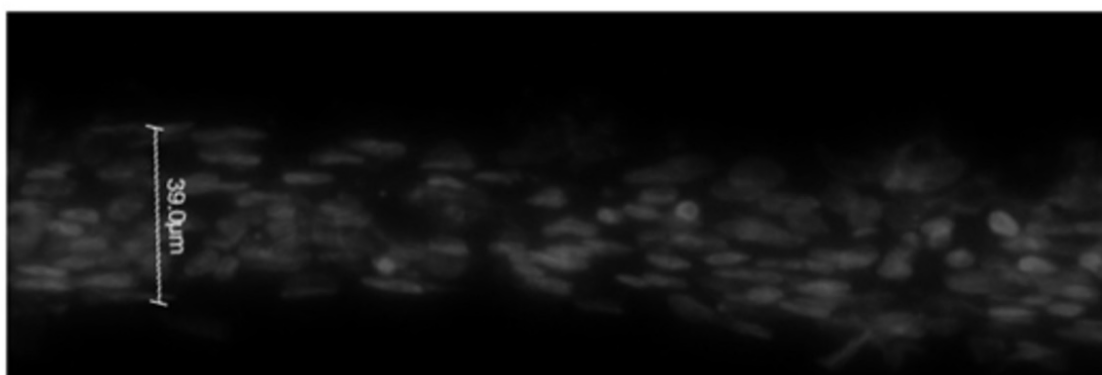
[Fig. 2]



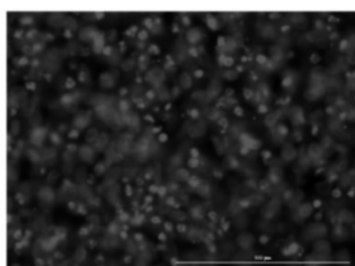
[Fig. 3]



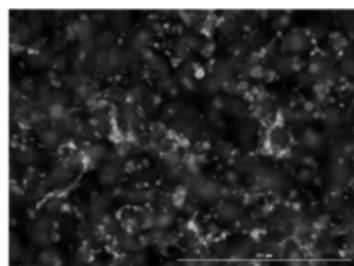
[Fig. 4]



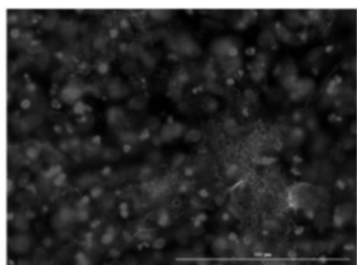
[Fig. 5]



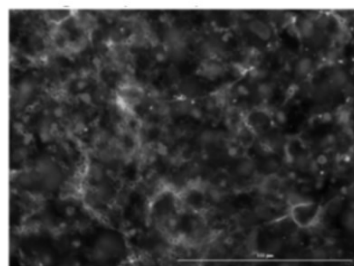
Negative Control



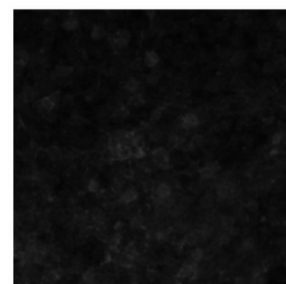
Type I Collagen



Elastin



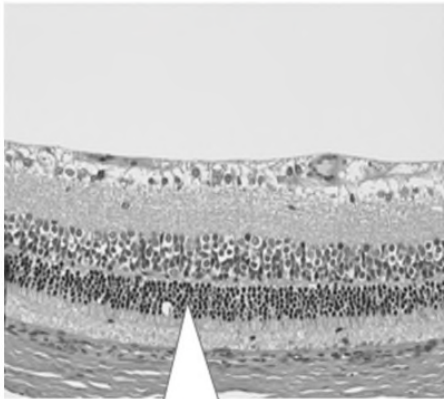
Type IV Collagen



Zo-1

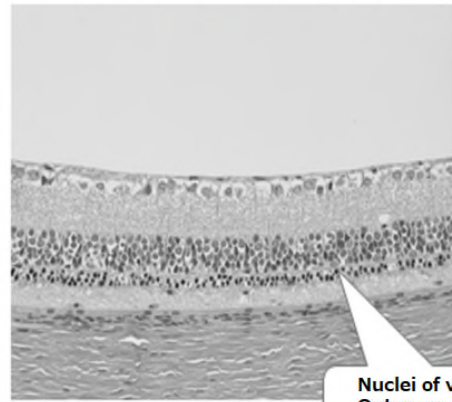
[Fig. 6]

Mesenchymal stem cell sheet
implant group



Nuclei of visual cells;
Outer nuclear layer
(maintains thickness)

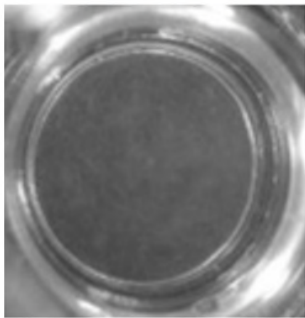
Sham surgery group
(non-implant group)



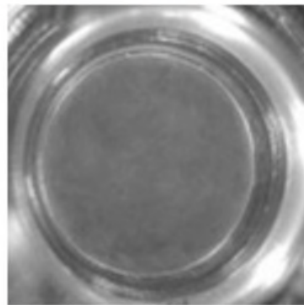
Nuclei of visual cells;
Outer nuclear layer
(thinning)

[Fig. 7]

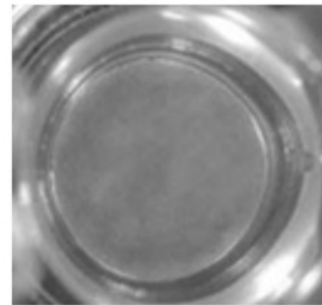
A: about 200 cells/mm²



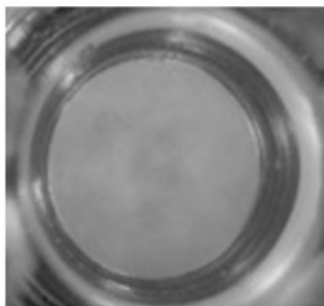
B: about 1,200 cells/mm²



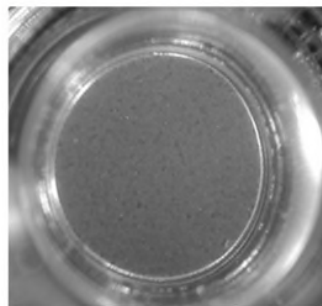
C: about 6,000 cells/mm²



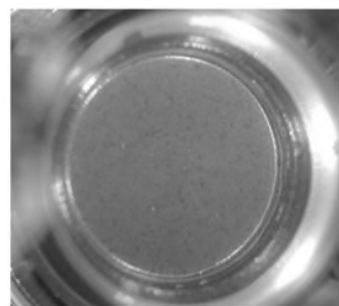
D: about 30,000 cells/mm²



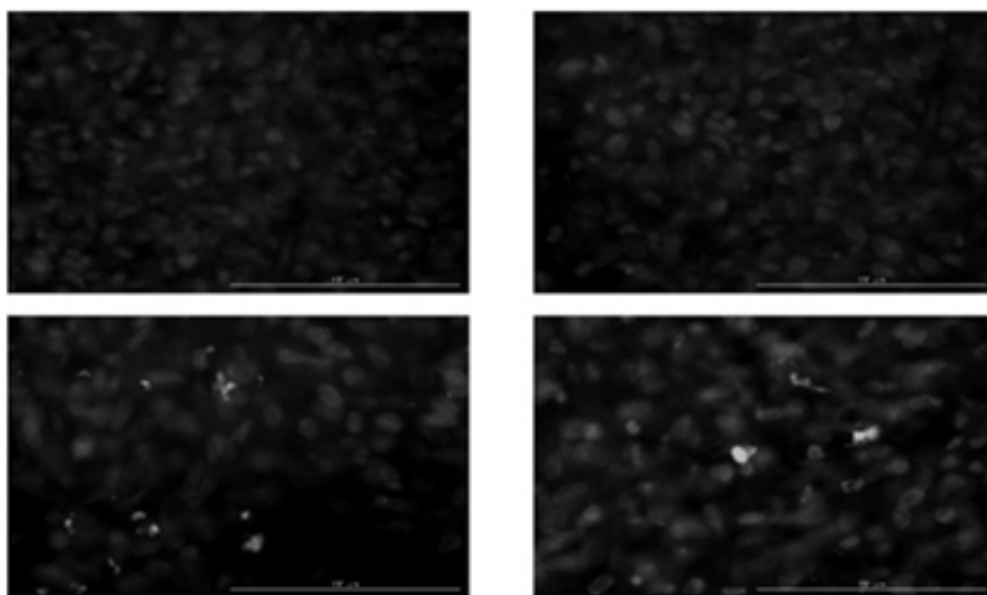
E: about 40,000 cells/mm²



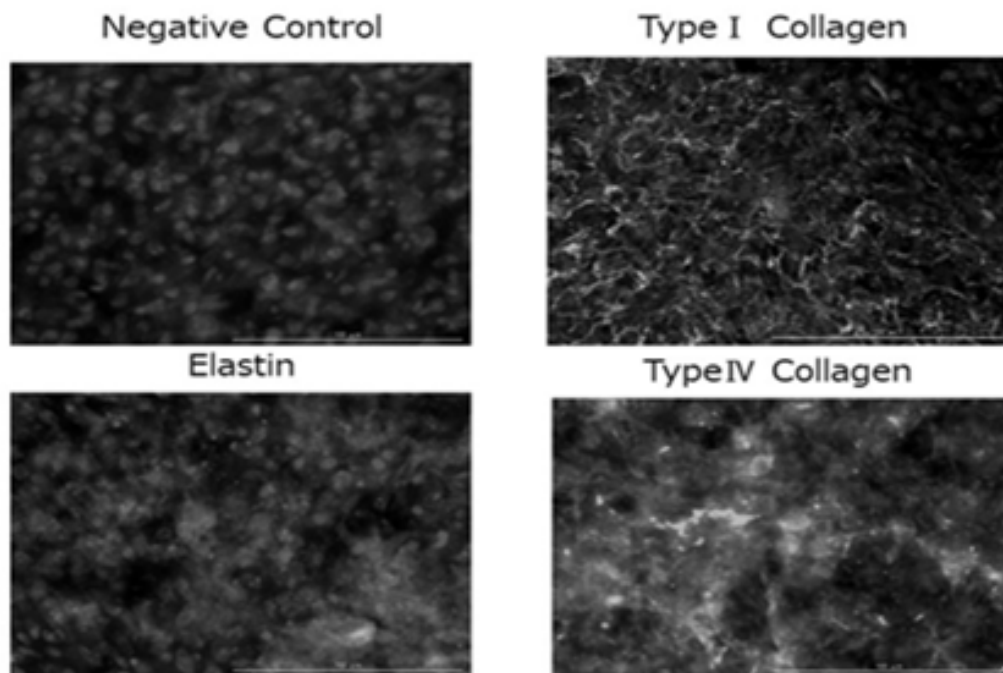
F: about 40,000 cells/mm²



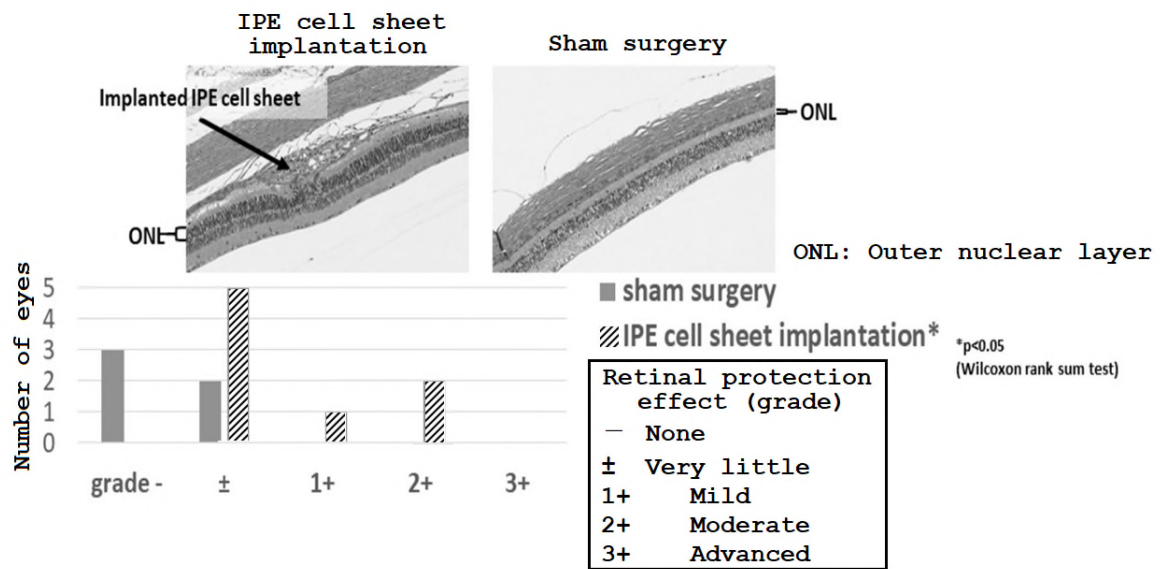
[Fig. 8]



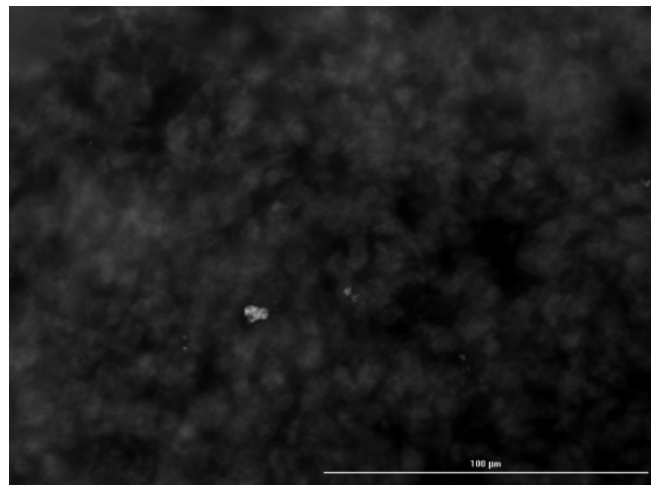
[Fig. 9]



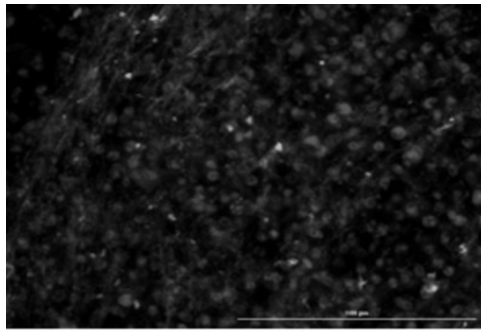
[Fig. 10]



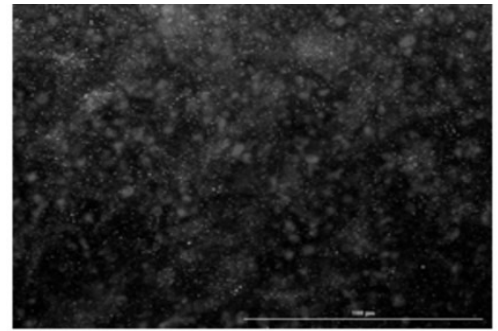
[Fig. 11]



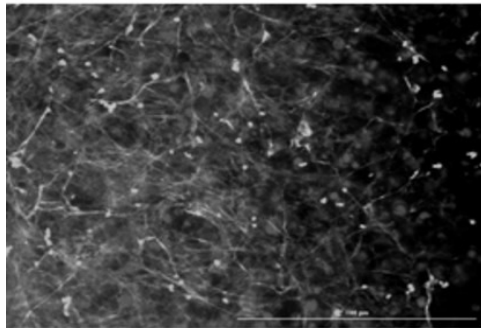
[Fig. 12]



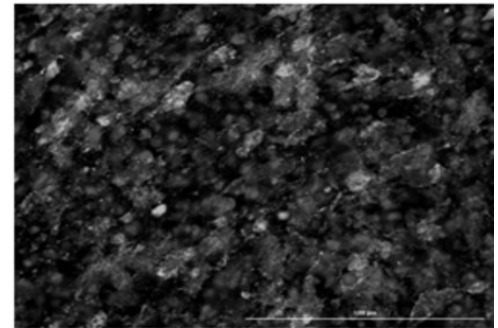
typeI Collagen



Elastin



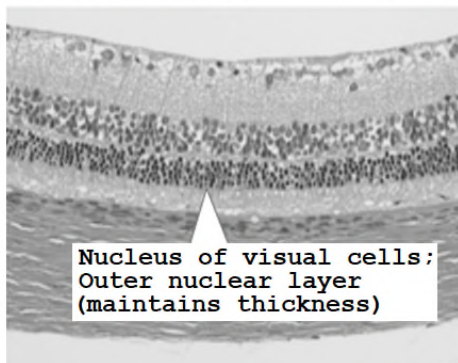
typeIV Collagen



ZO-1

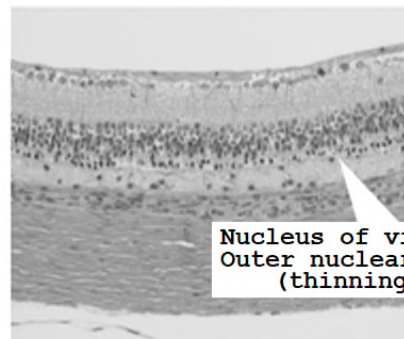
[Fig. 13]

Fibroblast sheet implant group



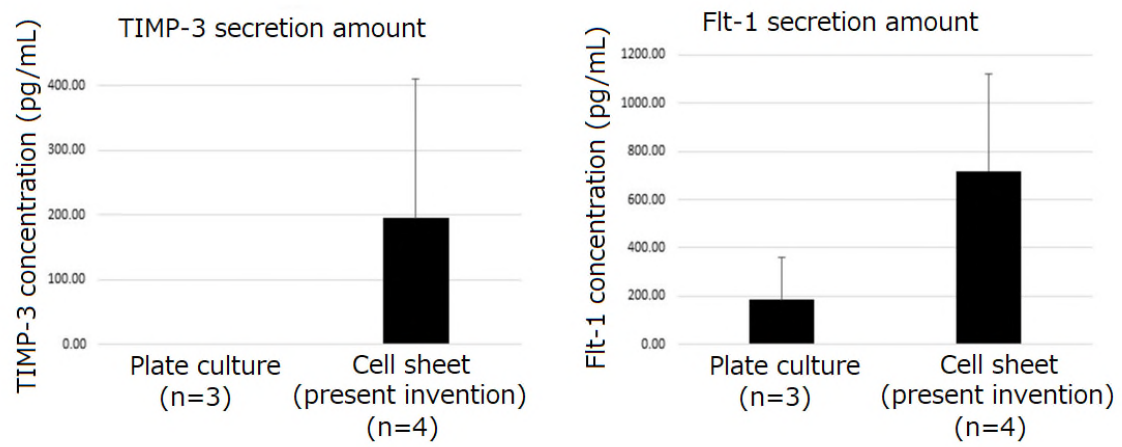
Nucleus of visual cells;
Outer nuclear layer
(maintains thickness)

Control

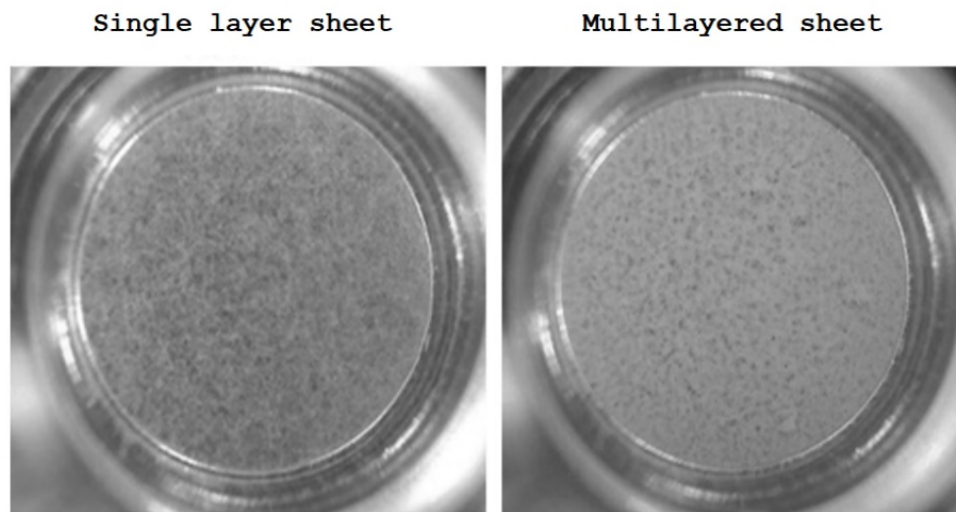


Nucleus of visual cells;
Outer nuclear layer
(thinning)

[Fig. 14]



[Fig. 15]



[Fig. 16]

