Etoposide (100 μM)

vHMEC HMF vHMEC HMF vHMEC HMF

control treated

NU7026 (0.055 μM) UVC (120 J/m²)

Activin A (pg/ml) per 10⁶ cells

Activin A / Gus B mRNA Level

vHMEC HMF

0 10 20 30 40 50

Hours of Treatment (100μM Etoposide)

COX-2 / Gus B mRNA Level

vHMEC HMF

0 5 10 15 20 25 30

Hours of Treatment (100μM Etoposide)

Activin A

Tenascin C

Fibronectin

VEGF

COX2

IL-6

IL-8

HIF1α

α

Col1a1

necessary & sufficient

sufficient

Cell Intrinsic DNA Damage

Cell Extrinsic DNA Damage

DNA Damage

Epithelial Cell

Fibroblast

Tenascin C

Fibronectin

COX2

IL-6

IL-8

HIF1α

Col1a1

Fibroblast

DNA Damage