Skin biopsy

Isolate different skin cells
- Melanocytes
- Fibroblasts
- Keratinocytes

Proliferation until the required number of cells is reached

Plate the different cells onto 6-well plates
- Melanocytes
- Fibroblasts
- Keratinocytes
- Control

Incubate with Test substance

Transfecting the cells with a mixture of irradiated DsRed and unirradiated EGFP using FuGene HD transfection reagent

24h Incubation

FACS Analysis

Calculate the repair capacity