

VERSION 2

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OPEN ACCESS



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Protocol status: In development We are still developing and optimizing this protocol

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UV Exposure Protocol V.2

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ABSTRACT

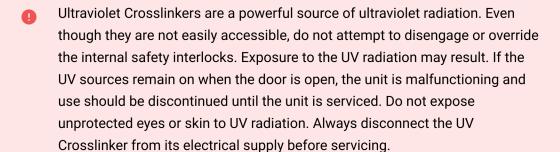
A procedure utilising a UV crosslinker to expose isolated DNA to UV radiation with the aim of inducing lesions in the DNA typical of that kind of damage induced by UV.

MATERIALS

Human Genomic DNA - Human Mixed - G3041 1 × 100µg **UVP Crosslinker CX-2000** Dilution buffer

- 1* Gibson P20 pipette
- 2 * Wide bore tips
- 1 * Sterile petri dish
- 1 * Eppendorf tube

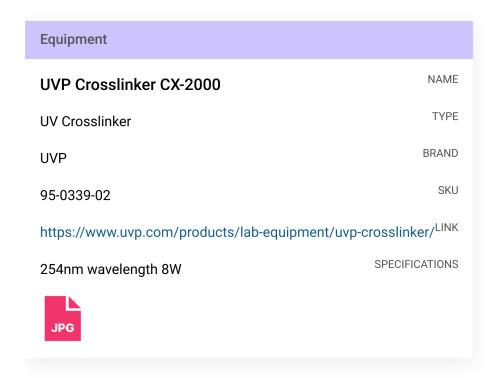
SAFETY WARNINGS



PROTOCOL integer ID: 95597

UV treatment

- 1 Pipette Δ 2.2 μL of Sample which has a measured concentration of M 227 μg/ml from stock tube to sterile plastic petri dish.
- 3 Expose tube to UV light using Crosslinker at 254 nm to exposing the DNA to 800 J/m² (80000 μ J/cm²)



3.1 Place sample in Crosslinker drawer

3.2 Press the ENERGY button, enter the exposure energy of 80000 microjoules/cm² as 80 on the keypad.

Note: YOUR ENERGY EXPOSURE SETTINGS DISPLAYED MUST BE MULTIPLIED BY 100 to obtain the exposure in microjoules/cm². If settings are correct, push ENTER on the touch pad.

3.3 Press START button to activate crosslinker and wait for cycle to finish.

4 Transfer sample to eppendorf tube with pipette.