

Ultra 4K Multiplier

Catalog Number	Size
U4KM82-1	1 x 3.5 ml
U4KM82-2	2 x 3.5 ml

Description: Eukaryotic cells have an innate immune system which makes them able to detect foreign bacterial or viral nucleic acids and take defensive measures or even undergo apoptosis. Moreover, the cells announce their presence to neighboring cells via messenger molecules. Consequently, these neighbors adopt defense modus without having contact with the foreign nucleic acids.

The Ultra 4K Multiplier decreases the cell's ability to detect foreign nucleic acids and can increase transfection efficiency and viability as a result, independently of the transfection reagent or method used.

Application: Additive for the cell culture medium during transfection of mammalian cells with DNA & RNA.

Assays: 3.5 ml is sufficient for 350 ml culture medium

Shipping: Shipped at room temperature.

Storage: +4°C

Stability: See label for expiration date.

Note: This product is for research use only. Not for use in human or animal diagnostics, therapeutics, or clinical applications.

Instructions

30 minutes before transfection, add the Ultra 4K Multiplier to the cell culture medium of the cells to be transfected in an amount equivalent to 1% of the volume of the medium.

Example: 10 µl Ultra 4K Multiplier into 1 ml of cell culture medium.

Note: If working with reporter genes generating fluorescent proteins (e.g. GFP, RFP, YFP, etc.) and using a microscope to evaluate, be sure that the same exposure time is set for comparison of photos resulting from transfection experiments with and without Ultra 4K Multiplier. Otherwise, an automatic setting of the exposure time in accordance with the brightness of the fluorescent cells will be made by the microscope (auto exposure), which does not allow for an objective comparison.