

Ultimate 08M holographic recording material

Product description	Ultimate 08M is a high speed and high resolution holographic silver halide photo material which has been specially optimized for monochromatic holography. It is the recommended material for low power lasers (1mW or more) set-up and wavelengths in the green-red region. For blue lasers please use the U08C material. The sensitivity is the highest on the market for high quality holography. You can use an attenuated green LED safe light in the laboratory for a comfortable work (adjust the intensity so that you can see clearly what you are doing). Both transmission and reflection holograms can be recorded, with a very bright and noise free rendition. Both continuous and pulsed lasers (Yag, Ruby, ...) can be used on this material.
Applications	Monochromatic green-red holography. 2-colors Denisyuk holography using low power (1mW or more) lasers
Color Sensitivity	Green-red-IR region
Grain size	08nm
Resolution	>8000 lines/mm
Recommended Exposure Energy	Continuous lasers : 90-120 $\mu\text{J}/\text{cm}^2$ Pulsed lasers : 200 $\mu\text{J}/\text{cm}^2$
Base	Glass plates (3mm) or triacetate 190 μm
Safe Light	Green LED for any red sensitive (including color) material with intensity adjusted for a comfortable work High power Red LED for green sensitive material
Recommended Processing Chemicals	Ultimate safe developer at 20°C (68°F) during 6 minutes, or at 25°C (77°F) during 4 minutes Wash Ultimate safe bleach until the film is totally clear Wash Final rinse with some drops of wetting agent (photoflo), then vertical drying
Handling recommendations	Use examination gloves when handling the material before recording to avoid humidity transfer to the gelatin, finger prints and to protect yourself (the glass plates have sharp edges).
Shelf Life	More than 5 years at 4°C. 1 to 2 months at 25°C.
Storage	In a fridge, in a closed box at 4°C
Use Recommendation	Transfer the plates /films you plan to use for the day in a safe box and place it in the recording room at least one hour before shooting, for temperature stabilisation.