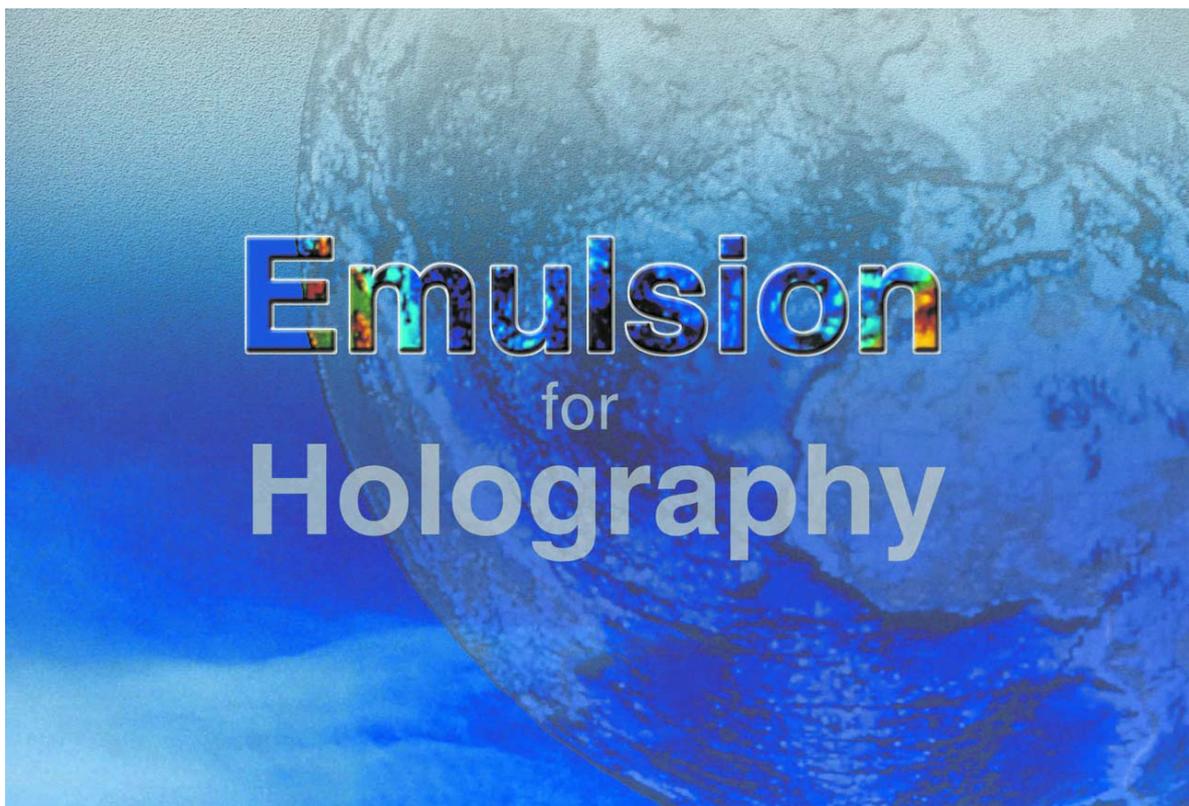


# ***HOLOGRAPHY- PLATES AND FILM***

▲ ***PFG-01*** ▲ ***PFG-03M*** ▲ ***PFG-03C***  
▲ ***VRP-M*** ▲ ***PFG-04***



**TOP▲G**

# Holography material from Slavich

TOPAG offers silver-halide holographic emulsions on triacetate film and on glass plates. Further dichromatic and panchromatic material from Slavich is available.

Please see our product range:

Material	spectral sensitive	resolution	exposure power
<b>PFG-01</b>	red-sensitive (600-680nm)	>3000 lines/mm	ca.100 $\mu\text{J}/\text{cm}^2$
<b>PFG-03M</b>	red-sensitive (600-680nm)	>5000 lines/mm	ca.1500 $\mu\text{J}/\text{cm}^2$
<b>PFG-03C</b>	panchr. (red/green/blue 400-700)	>5000 lines/mm	ca. 3000 $\mu\text{J}/\text{cm}^2$
<b>VRP-M</b>	green/blue-sensitive (413-570nm)	>3000 lines/mm	ca.100 $\mu\text{J}/\text{cm}^2$
<b>PFG-04</b>	green/blue-sensitive (457-514nm)	>5000lines/mm	ca. 200mJ/cm <sup>2</sup>

Emulsions listed above are coated on glass plates (standard thickness 2.5mm) and triacetate film substrates (thickness 180 $\mu\text{m}$ ). They are available in formats 63x63 mm<sup>2</sup> up to 1m width film, up to 300x406mm plates (for available formats please see our pricelist – on request). Emulsions can be exposed with cw- or pulsed lasers (e.g. HeNe, Argon, Nd:YAG lasers or laser diodes) and are suitable for transmission- as well as for reflection holograms.

Most commonly used materials are **PFG-01** (HeNe, laser diodes with 1-10 mW power) and **VRP-M** (Argon, Nd:YAG laser). Diffraction efficiency 45%, grain size 40nm.

Material **PFG-03M** (only plates) and **PFG-03C** (full colour holograms) has smaller grain (PFG-03M 20-30nm, PFG-03C 8-12nm) than PFG-01 material (40nm) and higher resolution > 5000 lines/mm. One can see better luminance due to small scattered light, but need high exposure power (Argon, Nd:YAG laser). The fine grain emulsions (PFG-03M, -03C) are suitable in particular for reflection holograms.

The **PFG-04** dichromated gelatin holographic plates are designed for phase reflection hologram recording with blue or green laser. The spectral sensitivity range covers 457 nm, 488 nm and 514 nm. The emulsion thickness is 16-17  $\mu\text{m}$ . The sensitivity reaches 100mJ/cm<sup>2</sup> in the blue spectrum range and 250mJ/cm<sup>2</sup> in the green. Due to its grainless structure, this emulsion has high resolving power and a diffraction efficiency of >75%.

One can get description of holography material and exposure- and developing materials on request. For further information see also:

Homepage GEOLA [www.geola.com](http://www.geola.com)  
SLAVICH [www.slavich.com](http://www.slavich.com)