

Laser Dyes

Pyridine 1 (737 nm)

1,07 g [Pyridine 1 \(CAS 87004-02-2\)](#). [MSDS](#)

100 ml EPH ([2-Phenoxyethanol](#), Ethylenglycolmonophenylether, Phenylglycol, Phenylcellosolve, Monophenylglycol, β -Hydroxyphenetol, ω -Hydroxyphenetol, CAS 122-99-6), [MSDS](#)

900 ml EG ([Ethylenglycol](#), Glycol, 1,2-Ethandiol, 1,2-Dihydroxyethan, CAS 107-21-1), [MSDS](#)

DCM (637 nm)

1,0 g [DCM \(CAS 51325-91-8\)](#), [MSDS](#)

400 ml EPH ([2-Phenoxyethanol](#), Ethylenglycolmonophenylether, Phenylglycol, Phenylcellosolve, Monophenylglycol, β -Hydroxyphenetol, ω -Hydroxyphenetol, CAS 122-99-6), [MSDS](#)

600 ml EG ([Ethylenglycol](#), Glycol, 1,2-Ethandiol, 1,2-Dihydroxyethan, CAS 107-21-1), [MSDS](#)

Rhodamine 6G / Rhodamine 590

0,75 g [Rhodamin 6G](#), (9-[2-(Ethoxycarbonyl)phenyl]-3,6-bis(ethylamino)-2,7-dimethylxanthyliumchlorid, CAS 989-38-8), [MSDS](#)

1000 ml EG ([Ethylenglycol](#), Glycol, 1,2-Ethandiol, 1,2-Dihydroxyethan, CAS 107-21-1), [MSDS](#)

Rhodamine B / Rhodamine 610

0,75 g [Rhodamin B](#), [9-(2-Carboxyphenyl)-6-(diethylamino)xanthen-3-yliden]diethylazaniumchlorid 9-(2-Carboxyphenyl)-3,6-bis(diethylamino)xanthyliumchlorid, CAS 81-88-9), [MSDS](#)

1000 ml EG ([Ethylenglycol](#), Glycol, 1,2-Ethandiol, 1,2-Dihydroxyethan, CAS 107-21-1), [MSDS](#)

If one would like to use the Sirah dye laser with Rhodamin B in the 620nm range it is recommended to use 0.9g/l (EG). This value was obtained experimentally as (according to the manual) the absorption of pump beam should be 0.85. In this configuration the laser is much better workable in the 620nm range.

Update: From the discussion with Matisse technician of the 24.08.2022 the EG should have a purity of $\geq 99.5\%$. So the above mentioned EG is not suitable. Rather use this one here:



<https://de.vwr.com/store/product?keyword=24041.366>

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Last update: **2022/08/24 13:20**

