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.