

Recipe for ~60 or ~30 g

- 20.833 g / 10.42 g TEOS
- 6.911 g / 3.46 g EtOH
- 6.913 g / 3.46 HCl/EtOH
- 1.801 g / 0.90 g H₂O

- mixing
- adding
- stirring 90 mins

Silica Sol / Condensed Silica

- 23.035 g / 11.52 g EtOH
- 4.6903 g / 2.35 g AmOH/H₂O

- stirring 30 mins
- Smaller molds
- Aging 24 h at RT

Organogel

- | | |
|---------------------------|--------------|
| - Excess EtOH | - 24 h at RT |
| - 25/75% Hex/EtOH | - 24 h at RT |
| - 50/50% Hex/EtOH | - 24 h at RT |
| - 75/25% Hex/EtOH | - 24 h at RT |
| - Excess Hex | - 24 h at RT |
| - Excess Hex | - 24 h at RT |
| - Excess Hex | - 24 h at RT |
| - Excess Hex | - 24 h at RT |
| - Excess TMCS/Hex (3vol%) | - 24 h at RT |
| - Excess TMCS/Hex (3vol%) | - 24 h at RT |
| - Excess TMCS/Hex (6vol%) | - 24 h at RT |
| - Excess TMCS/Hex (6vol%) | - 24 h at RT |
| - Excess Hex | - 24 h at RT |
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| - Excess Hex | - 24 h at RT |

Modified Gel

- Drying at RT

Silica Aerogel

TEOS: water: ethanol - 1:1:3 molar ratio