



Remember: for evaporation at 30°C (vapor temperature) follow the guideline:

1. instrument setting: 55 °C
2. cooling medium: ≤10 °C, ≥ 500 mL/min
3. vacuum setting according to the Solvent List column 30 °C

## List of Solvents Evaporation

Solvent	Formula	Vacuum [mbar] for bp at:	
		30 °C	50 °C
Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	26	72
Acetone	C <sub>3</sub> H <sub>6</sub> O	370	815
Acetonitrile	C <sub>2</sub> H <sub>3</sub> N	134	315
<i>n</i> -Amyl alcohol, <i>n</i> -Pentanol	C <sub>5</sub> H <sub>12</sub> O	6	20
<i>n</i> -Butanol	C <sub>4</sub> H <sub>10</sub>	14	44
<i>tert</i> -Butanol	C <sub>4</sub> H <sub>10</sub> O	78	231
Chlorobenzene	C <sub>6</sub> H <sub>5</sub> Cl	22	56
Chloroform	CHCl <sub>3</sub>	306	665
Cyclohexane	C <sub>6</sub> H <sub>12</sub>	154	347
1,2-Dichloroethane	C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub>	137	315
Dichloromethane	CH <sub>2</sub> Cl <sub>2</sub>	685	atm. press.
Diethylether	C <sub>4</sub> H <sub>10</sub> O	838	atm. press.
<i>trans</i> -1,2-Dichloroethylene	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub>	317	705
Diisopropylether	C <sub>6</sub> H <sub>14</sub> O	251	545
Dioxane	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	68	165
Dimethylformamide (DMF)	C <sub>3</sub> H <sub>7</sub> NO	6	17
Ethanol	C <sub>2</sub> H <sub>6</sub> O	97	276
Ethylacetate	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	153	366
Heptane	C <sub>7</sub> H <sub>16</sub>	77	183
Hexane	C <sub>6</sub> H <sub>14</sub>	241	525
Isopropylalcohol	C <sub>3</sub> H <sub>8</sub> O	78	231
Isoamylalcohol	C <sub>5</sub> H <sub>12</sub> O	9	29
Methyl <i>tert</i> -buthyl ether (MTBE)	C <sub>5</sub> H <sub>12</sub> O	413	835
Methyl ethyl ketone (MEK)	C <sub>4</sub> H <sub>8</sub> O	160	359
Methanol	CH <sub>4</sub> O	236	607
Pentane	C <sub>5</sub> H <sub>12</sub>	819	atm. press.
<i>n</i> -Propanol	C <sub>3</sub> H <sub>8</sub> O	37	115
Pentachloroethane	C <sub>2</sub> HCl <sub>5</sub>	8	21
Tetrachloromethane	CCl <sub>4</sub>	179	398
Tetrahydrofurane (THF)	C <sub>4</sub> H <sub>8</sub> O	234	539
Toluene	C <sub>7</sub> H <sub>8</sub>	48	118
Trichloroethylene	C <sub>2</sub> HCl <sub>3</sub>	119	275
Water	H <sub>2</sub> O	42	120
Xylene	C <sub>8</sub> H <sub>10</sub>	15	40

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