

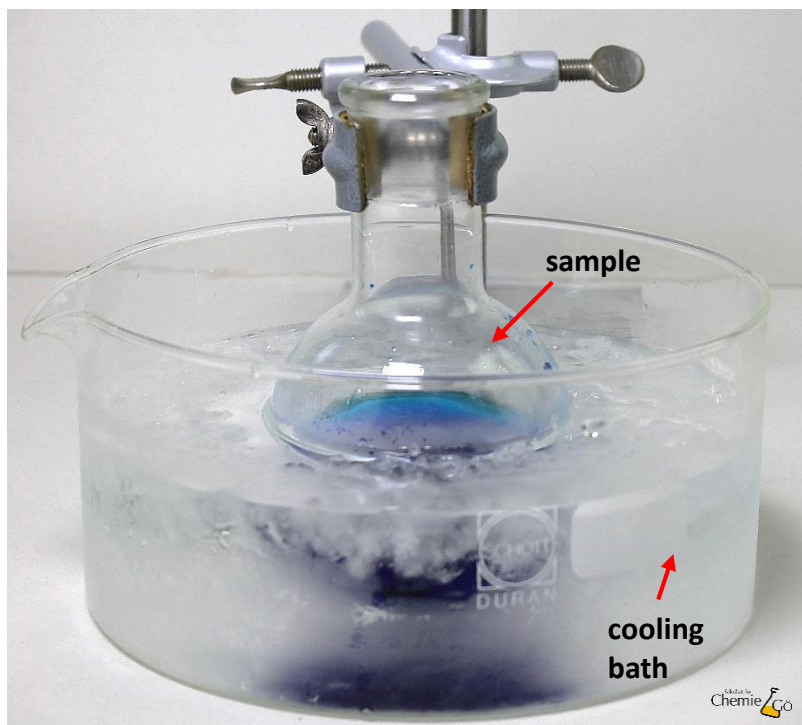
Cooling Bath

Kältebad

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Cooling Bath



A cooling bath is used to cool down reactions or to decrease solubility, e.g. during recrystallization.

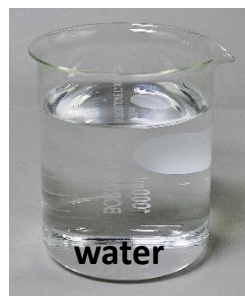
To maintain the low temperature, the sample is placed in the cooling bath so that it is fully surrounded by the cooling agent. Please note, the sample flask should be secured with a support clamp.

Depending on the desired temperature, cooling baths can be prepared in the lab.

A glass bowl is used as container.



If 0°C are desired, an equal mixture of ice and water is prepared.



For temperatures around -20°C a mixture of $1/3$ sodium chloride (NaCl) and $2/3$ ice is prepared. This cooling bath must be mixed thoroughly.

