

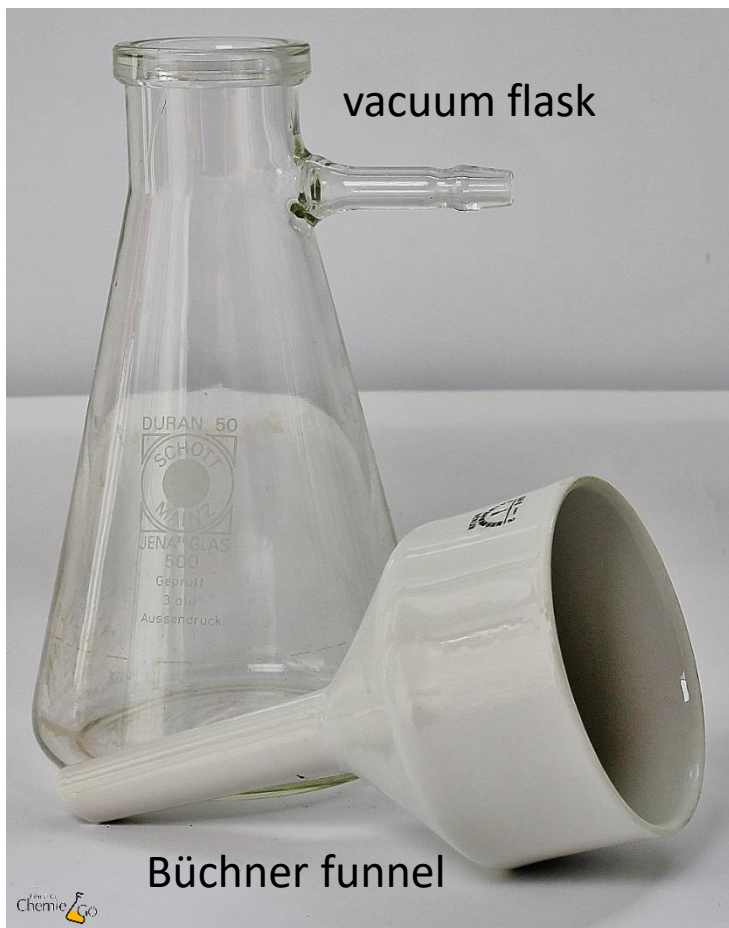
# Büchner Funnel

*Büchnertrichter*

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## Büchner Funnel

The Büchner funnel is a porcelain laboratory instrument used for filtration under vacuum.

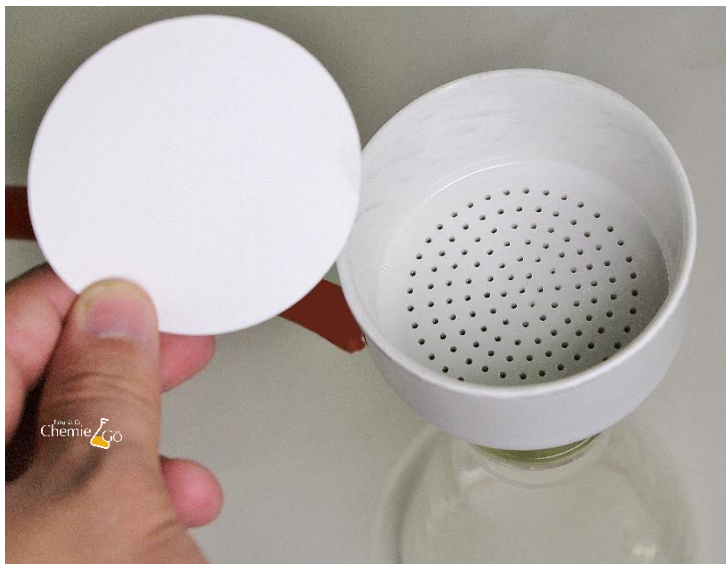
It is placed on top of a side-arm vacuum flask (Büchner flask).



A rubber gasket (Büchner ring) is placed on the funnel which is then positioned on the vacuum flask.



The side-arm flask is connected to a vacuum pump with a rubber tube. The rubber tube should not be fixed with a clamp.



Before starting the filtration, a suitable round filter paper is placed on top of the porous plate inside the funnel.

The filter needs to...

- fit the funnel (it can be cut to size if necessary)
- lie flat and cover all the pores



The filter paper is moistened with the solvent, in this case water.



The vacuum tap is opened so that the filter paper is sucked in. Subsequently, the suspension is added. The formed filter cake additionally has a filtering effect.



To clean the filter cake, the rubber tube is removed (keeping the pump running) and the washing solution is poured onto the filter cake.

By applying vacuum again, the washing solution is sucked into the vacuum flask.





The filter cake is put on a watch glass or petri dish and the moist filter paper removed with tweezers.

The filter cake is further processed, e.g. by drying it.