

# OPTIMISED METHODOLOGY FOR HIGH QUALITY DNA ISOLATION FROM LEAVES AND SEEDS OF FENNEL (*FOENICULUM VULGARE*)

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**Abstract:** In this study, an efficient, simple and rapid protocol is described for high quality DNA isolation from leaves and seeds of fennel (*Foeniculum vulgare*). The protocol gives highly reproducible results and can be carried out easily. Young leaves and seeds of fennel were kept at -80° C for 20 min to freeze the tissues and make the grinding easy without any tissue damage. This protocol eliminates the use of liquid nitrogen. The protocol is inspired by the CTAB method and Sambrook principles.

**Keywords:** Seed spices, DNA, Fennel, Seeds, Leaves

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