

# MRC Holland Support

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## How should I store DNA samples?

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If you have samples you use frequently, such as reference samples or positive samples, we recommend making aliquots and storing these at -20°C. One aliquot at a time can then be stored at 4°C.

DNA extracted for conventional MLPA or digitalMLPA analysis should ideally be stored in TE<sub>0.1</sub> (10 mM Tris-HCl pH 8.0 + 0.1 mM EDTA), as this increases stability as opposed to storage in water. TE<sub>0.1</sub> is also more suitable for (digital)MLPA reactions; see [this article](#) for more information.

### Background

Long-term storage at 4°C may degrade sample quality. Evaporation can increase the concentration of impurities, such as EDTA, which can inhibit downstream reactions. The growth of microorganisms can also degrade sample quality and introduce metabolites that can inhibit reactions.

#### Tags

digitalMLPA

Melt Assay

MLPA

#### Related Pages

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- [What are the sample and buffer requirements for \(digital\)MLPA?](#)

#### Disclaimer

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*The information provided in this material is correct for the majority of our products. However, for certain applications, the instructions for use may differ. In the event of conflicting information, the relevant instructions for use take precedence.*