NucleoSpin® DNA Lipid Tissue

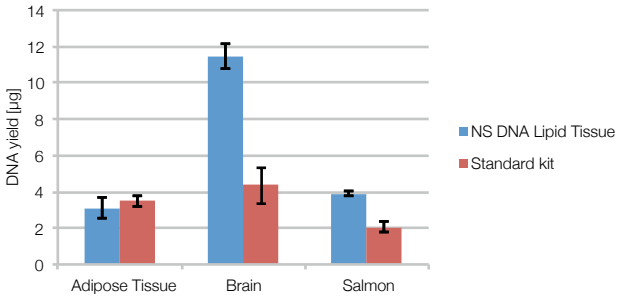
- Efficient lysis of lipid tissues is supported by mechanical disruption with steel balls
- Special buffer composition for efficient removal of lipids

Product at a glance

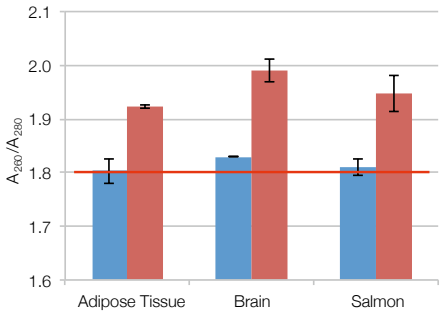
Technology	Silica-membrane technology combined with Bead Tubes Type D
Sample material	≤ 40 mg fresh or frozen, lipid-rich tissues (e.g., brain, adipose tissue, fatty fish tissue)
Fragment size	200 bp–approx. 50 kbp
Typical yield	Depends on sample type, quality, and water content
A_{260}/A_{280}	1.7–1.9
Elution volume	25–200 µL
Preparation time	35 min/6 preps
Binding capacity	60 µg

Application data

A



B



Excellent yield and quality of genomic DNA purified from various lipid tissues

DNA was isolated from different lipid-rich samples using the NucleoSpin® DNA Lipid Tissue kit and a standard extraction kit according to manufacturers' protocols.

A: DNA yield was assessed by measurement of the absorption. DNA was efficiently isolated wit the MN NucleoSpin® DNA Lipid Tissue kit even from difficult tissues like brain.

B: The ratio of absorbance at 260 nm and 280 nm was calculated to assess purity of the isolated DNA. The optimal value of "1.8" is marked by a red line. DNA isolated with the NucleoSpin® DNA Lipid Tissue kit was consistently pure.

High molecular weight DNA without RNA contamination

High molecular weight DNA is obtained with the NucleoSpin® DNA Lipid Tissue kit without RNA contamination. However RNA contamination (blue circles) is visible when lipid-rich samples are processed with a standard kit.

Ordering information

Product	Preps	REF
NucleoSpin® DNA Lipid Tissue	10/50	740471.10/.50