Genomic DNA (R9 Version)

DNA repair

To repair nicks in the DNA to maximise read lengths

~30 minutes

Materials	• ~1.5 μg fragmented DNA in 45 μl
Companyables	NEDNIO + FEDE Dos oir Miss (MOCCO)
Consumables	NEBNext FFPE Repair Mix (M6630) Agence with AMD year VPD beards.
	Agencourt AMPure XP beads 1.5 col Foresteld FNA La Bind tuless
	1.5 ml Eppendorf DNA LoBind tubes Finally appeared 7000 attacks to be produced from waters
	Freshly prepared 70% ethanol in nuclease-free water
	Nuclease-free water
Equipment	• Thermal cycler at 20 °C
	• Ice bucket with ice
	Magnetic rack
	Hula mixer (gentle rotator mixer)
	Vortex mixer
Optional Equipment	QuBit fluorimeter (or equivalent for QC check)
Optional Equipment	• Qubit illuolithetei (oi equivalent ioi QO Check)

IMPORTANT

Use of magnetic beads

After washing the beads with the DNA bound it is important that they are allowed to dry to ensure that all the ethanol has been removed. However, over drying will result in some of the DNA not eluting efficiently leading to reduced recovery.

DNA repair

The FFPE DNA repair step is recommended when there is a chance that the genomic DNA contains nicks or other damage which may compromise the success of the end-prep step. FFPE DNA repair mix has been shown to improve read lengths

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