

**Lyophilized NGS Library Preparation  
Kit (PCR-Free)  
End-Repair/A-Tailing Mix**


Cat No.: MDX219-A  
Storage Conditions: 4°C - 25°C  
Lot number: RD224G

**Test Parameters**

Analysis	Specification	Result
Functional	<p>The activity of the lyophilized End-Repair/A-Tailing Mix is functionally evaluated and compared to its liquid counterpart through construction of libraries made from commercially available genomic DNA. Library yield is tested by quantitative PCR, which specifically amplifies only the adapter-ligated library molecules containing the P5 and P7 Illumina adapter sequences. Library size and quality are analyzed using an automated electrophoresis.</p> <p><u>Pass Criteria:</u></p> <p>The quantification of the library prepared with lyophilized End-Repair/A-Tailing Mix must produce a Ct value that is either earlier than or no more than 0.5 cycles later than the Ct value of its liquid counterpart. Samples analysed using an automated electrophoresis solution must display the expected library size and quality metrics.</p>	Passed

Authorised by Lina Gasiunaite  
Team Leader, R&D



	<b>Test Release Document</b>	Released:
		Michele Amasio
		Version: 01

<b>Lyophilized NGS Library Preparation Kit (PCR-Free) Ligation Mix</b>	Cat No.:	MDX219-A
	Storage Conditions:	4°C - 25°C
	Lot number:	RD124G

Test Parameters		
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Analysis	Specification	Result
Functionality	<p>The activity of the lyophilized Ligation Mix is functionally evaluated and compared to its liquid counterpart through construction of libraries made from commercially available genomic DNA. Library yield is tested by quantitative PCR, which specifically amplifies only the adapter-ligated library molecules containing the P5 and P7 Illumina adapter sequences. Library size and quality are analyzed using an automated electrophoresis.</p> <p><u>Pass Criteria:</u></p> <p>The quantification of the library prepared with lyophilized Ligation Mix must produce a Ct value that is either earlier than or no more than 0.5 cycles later than the Ct value of its liquid counterpart. Samples analysed using an automated electrophoresis solution must display the expected library size and quality metrics.</p>	Passed

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