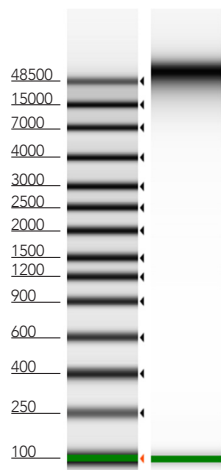


ZymoBIOMICS® HMW DNA Standard

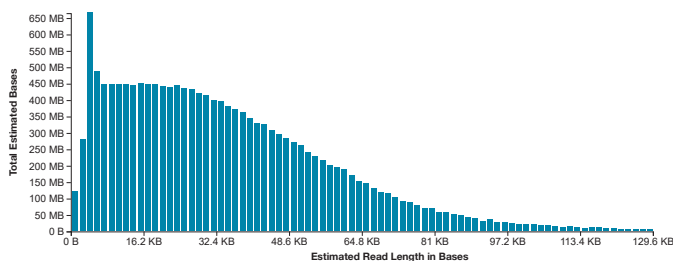
- **Long-Read Sequencing Ready:** Ideal to benchmark 3rd generation sequencing and metagenomic measurements (e.g. Oxford Nanopore & PacBio).
- **High Molecular Weight:** DNA standard is > 50 kb in size.
- **Accurate Composition:** Composition is cross-validated with multiple types of measurements.

Benchmark Long-Read Metagenomics

Long-Read Metagenomics Standard. The ZymoBIOMICS® HMW DNA Standard is composed of genomic DNA from seven bacteria and one yeast and is >50 kb in size, as confirmed by Agilent TapeStation®.



Species	Theoretical Composition (%)	
	Genomic DNA	Genome Copy
<i>Pseudomonas aeruginosa</i>	14	7.8
<i>Escherichia coli</i>	14	10.9
<i>Salmonella enterica</i>	14	11.2
<i>Enterococcus faecalis</i>	14	18.8
<i>Staphylococcus aureus</i>	14	19.6
<i>Listeria monocytogenes</i>	14	17.8
<i>Bacillus subtilis</i>	14	13.2
<i>Saccharomyces cerevisiae</i>	2	0.63



High Quality Long-Read Data

High Quality Long-Read Sequencing. The ZymoBIOMICS® HMW DNA Standard was sequenced using the Oxford Nanopore MinION™ and the Ligation Sequencing kit (LSK109) for library preparation. Read length histogram shows an approximate average of 24 kb with >125 kb recorded.

Product	Cat. No.	Size
ZymoBIOMICS® HMW DNA Standard	D6322	5000 ng

