

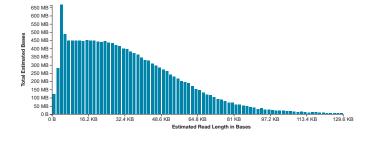
## ZymoBIOMICS® HMW DNA Standard

- 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.

10500	Species	Theoretical Composition (%)	
48500 15000 7000		Genomic DNA	Genome Copy
<u>4000</u> <u>3000</u>	Pseudomonas aeruginosa	14	7.8
2500 2000	Escherichia coli	14	10.9
<u>1500</u> 1200	Salmonella enterica	14	11.2
900	Enterococcus faecalis	14	18.8
<u>600</u>	Staphylococcus aureus	14	19.6
400	Listeria monocytogenes	14	17.8
250	Bacillus subtilis	14	13.2
<u>100</u>	Saccharomyces cerevisiae	2	0.63



**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®.



## High Quality Long-Read Data

**High Quality Long-Read Sequencing.** The ZymoBIOMICS<sup>®</sup> HMW DNA Standard was sequenced using the Oxford Nanopore MinION<sup>™</sup> 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

∰