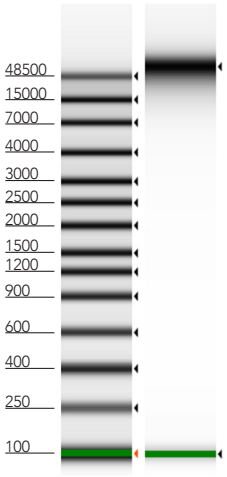
ZYMO RESEARCH
The Beauty of Science is to Make Things Simple®

ZymoBIOMICS® HMW DNA Standard

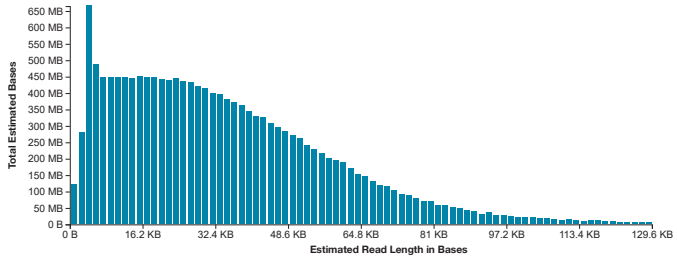
- **Long-Read Sequencing Ready:** Ideal to benchmark 3rd generation sequencing and metagenomic measurements (*e.g.* Oxford Nanopore & PacBio).
- **High Molecular Weight:** DNA standard is > 50 kb in size.
- **Accurate Composition:** Composition is cross-validated with multiple types of measurements.

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
Pseudomonas aeruginosa	14	7.8
Escherichia coli	14	10.9
Salmonella enterica	14	11.2
Enterococcus faecalis	14	18.8
Staphylococcus aureus	14	19.6
Listeria monocytogenes	14	17.8
Bacillus subtilis	14	13.2
Saccharomyces cerevisiae	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

Nous contacter

OZYME
Des femmes et des hommes
au service de vos recherches

Service technique
Réactifs : 01 34 60 60 24 - tech@ozyme.fr
Instrumentation : 01 30 85 92 88 - instrum@ozyme.fr