Labmix24 GmbH
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Microbial Pathogen DNA Standards for Detection and Identification

Art. ID	NIST-8376
Unit	20 tubes
Deliverydetails	No Dangerous Good /not restricted

Description

This reference material (RM) is intended for harmonizing measurements of abundance and identity using next-generation sequencing-based metagenomics. A unit of RM 8376 consists of 20 tubes (components) containing either bacterial (19 tubes) or human (1 tube) genomic DNA in an aqueous buffer (1 × Tris-EDTA). Each component contains approximately 100 µL of solution. The bacterial components are at a nominal concentration of 50 ng/µL, while the human DNA is nominally 100 ng/µL. /// Sample value(s) - please ask for current report of investigation.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
A Name: E. coli ATCC®(b) 43895™ DNA Organism: Escherichia coli O157:H 7	Chromosomal Copy Numbe , Concentration × 10^6		8,84 ± 0,38	copy/µl		
B Name: E. coli ATCC® B AA-2309™ DNA Organism: Escherichia coli O104:H 4	Chromosomal Copy Numbe , Concentration × 10^7		8,89 ± 0,28	copy/µl		
C Name: S. enterica ATC C® 700720™ DNA Organis : Salmonella enterica s ubsp. enterica	Chromosomal Copy Numbe , Concentration × 10^8		9,72 ± 0,38	copy/µl		
D Name: S. enterica ATC C® 12324™ DNA Organisr Salmonella enterica su bsp. arizonae	Chromosomal Copy Numbe , Concentration × 10^9		10,84 ± 0,52	copy/µl		
E Name: S. aureus ATCC® BAA-44™ DNA Organism: Staphylococcus aureus	Chromosomal Copy Numbe , Concentration × 10^10		16,49 ± 0,76	copy/µl		
F Name: S. aureus ATCC® 12600™ DNA Organism: S taphylococcus aureus	Chromosomal Copy Numbe , Concentration × 10^11		17,38 ± 0,68	copy/µl		
G Name: S. epidermidis ATCC® 12228™ DNA Orga sm: Staphylococcus epid ermidis	Chromosomal Copy Numbe , Concentration × 10^12		15,99 ± 0,60	copy/µl		
H Name: P. aeruginosa A	Chromosomal Copy Numbe		8,27 ± 0,34	copy/µl		

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TCC® BAA-47™ DNA Orga sm: Pseudomonas aerugin osa	, Concentration × 10^13		
l Name: A. baumannii AT CC® 19606™ DNA Organi : Acinetobacter baumann ii	Chromosomal Copy Numbe , Concentration × 10^14	12,01 ± 0,56	copy/µl
J Name: N. meningitidis ATCC® 13077™ DNA Orga ism: Neisseria meningit idis	Chromosomal Copy Numbe , Concentration × 10^15	21,67 ± 0,94	copy/µl
K Name: S. pyogenes ATC C® 12344™ DNA Organisr Streptococcus pyogenes	Chromosomal Copy Numbe , Concentration × 10^16	22,55 ± 0,86	copy/µl
L Name: E. faecalis ATC C® 19433™ DNA Organisr Enterococcus faecalis	Chromosomal Copy Numbe , Concentration × 10^17	14,75 ± 0,50	copy/µl
M Name: A. xylosoxidans ATCC® 27061™ DNA Orga ism: Achromobacter xylo soxidans	Chromosomal Copy Numbe , Concentration × 10^18	7,28 ± 0,36	copy/µl
N Name: A. hydrophila A TCC® 35654™ DNA Orgar m: Aeromonas hydrophila	Chromosomal Copy Numbe , Concentration × 10^19	9,97 ± 0,34	copy/µl
O Name: K. pneumoniae A TCC® 13883™ DNA Orgar m: Klebsiella pneumonia e	Chromosomal Copy Numbe , Concentration × 10^20	7,68 ± 0,36	copy/µl
P Name: S. sonnei ATCC® 25931™ DNA Organism: S higella sonnei	Chromosomal Copy Numbe , Concentration × 10^21	9,67 ± 0,36	copy/µl
Q Name: V. furnissii AT CC® 35016™ DNA Organi : Vibrio furnissii	Chromosomal Copy Numbe , Concentration × 10^22	9,70 ±0,36	copy/µl
R Name: L. monocytogene s ATCC® 19115™ DNA Or nism: Listeria monocyto genes	Chromosomal Copy Numbe , Concentration × 10^23	17,39 ± 0,64	copy/µl

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S Name: L. pneumophila ATCC® 33152™ DNA Orga sm: Legionella pneumoph ila	Chromosomal Copy Numbe , Concentration × 10^24	13,63 ± 0,46	copy/µl
T Name: Homo sapiens GM 24385 DNA Organism: Hun an	Chromosomal Copy Numbe , Concentration × 10^25	0,0323 ± 0,0015	copy/µl