

Table referenced as "Molecular weight and size of deoxyribonucleic acid molecules in 0.2M sodium chloride pH 6.8"

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MOLECULAR WEIGHT AND SIZE OF DEOXYRIBONUCLEIC ACID MOLECULES IN
0.2M SODIUM CHLORIDE, pH 6.8

SOURCE	BASE RATIO $\frac{\text{ADENINE + THYMINE}}{\text{GUANINE + CYTOSINE}}$	GUANINE CONTENT (MOLES/100 MOLES NUCLEOTIDE)	MOLECULAR WEIGHT (X 10 ⁻⁶)	MOLECULAR RADIUS OF GYRATION (A.)
<u>ARBACIA</u>				
<u>LIXULA</u>	1.59	17.5	2.3	1530
CALF THYMUS	1.32	21.5	6.0	2240
<u>E. COLI</u>	1.0	24.0	9.1	3500
AVIAN TUBERCLE BACILLUS	0.4	37.0	14.4 13.5	2300* 1400+

* SPECIMEN (1) FIBRES KEPT IN SOLVENT FOR THREE DAYS PRIOR TO FINAL CENTRIFUGATION
+ SPECIMEN (2) FIBRES KEPT IN SOLVENT FOR EIGHT DAYS PRIOR TO FINAL CENTRIFUGATION