

Table 3: The effect of anions on the buoyant density and hydration of DNA in 20 mM salt.

Salt present	native DNA		denatured DNA	
	buoyant density (g/cm ³)	moles H ₂ O per mole nucleotide	buoyant density (g/cm ³)	moles H ₂ O per mole nucleotide
Na ₂ SO ₄	1.133	60	1.159	49
NaF	1.126	64	1.158	49
NaCl	1.119	68	1.137	58
NaBr	1.109	75	1.130	62
NaI	1.100	83	1.114	71