

TABLE 1 The effect of ligand-binding upon the buoyant density of DNAs of different base compositions

Ligand	<u>Clostridium perfringens</u>			<u>Micrococcus lysodeikticus</u>		
	Ligand:DNA (mol:mol*)	Buoyant density (g/ml)	% change in buoyant density	Ligand:DNA (mol:mol*)	Buoyant density (g/ml)	% change in buoyant density
Distamycin A	Control	1.119	0.00	Control	1.127	0.00
	0.1:1.0	1.122	0.26	0.1:1.0	1.126	0.00
	0.5:1.0	1.137	1.61	0.5:1.0	1.137	0.89
DAPI	Control	1.119	0.00	Control	1.127	0.00
	0.1:1.0	1.130	0.98	0.1:1.0	1.132	0.44
	0.5:1.0	1.145	2.32	0.5:1.0	1.140	1.15
Netropsin	Control	1.119	0.00	Control	1.127	0.00
	0.22:1.0	1.133	1.75	0.22:1.0	1.135	0.71
	0.51:1.0	1.140	1.87	0.51:1.0	1.139	1.06
	0.74:1.0	1.146	2.41	0.74:1.0	1.141	1.24

* Expressed in terms of moles of ligand per base pair of DNA