

TABLE I
Bilayer thicknesses of pure phosphatidylcholines

Lipid	Reported t_m (°C)	Measurement temperature (°C)	Phosphate peak spacing (+ or -1 Å)	Thickness of hydrocarbon region (+ or -1 Å)	Molecular surface area (Å ²)
10:0	—	20	26.5	15.5	69.7 4.8
12:0	-1.8	20	30.5	19.5	66.5 3.6
14:0	23†	36	34	23	65.7 3.0
16:0	41.5†	44	37	26	66.5 2.6
18:0	54.9‡	60	40.5	29.5	65.9 2.3
18:1	-14†	20	38	27	70.1 2.7
22:1	11§	24	45	34	68.4 2.0
24:1	24§	36	48.5	37.5	67.7 1.9

† From Van Dijk *et al.* (1976).

‡ From Mabrey & Sturtevant (1976).

§ From Caffrey & Feigenson (1981).

|| Error carried through from +/- 1 Å in thickness.