

Table 2

Lipid data for PC-3 exosomes, HIV particles and detergent resistant membranes (DRMs).

Lipids	PC-3 exosomes [34]		HIV particles; HeLa cells [54]		HIV particles; MT4 cells [54]		DRMs; KB cells [67]		DRMs; KBC cells [67]	
	% ^a	Factor	%	Factor	%	Factor	%	Factor	%	Factor
CHOL	43.5	2.3	33.1	1.9	32.7	1.7	24.0	1.9	33.5	2.3
SM	16.3	2.4	10.3	2.8	15.5	1.7	15.9	1.4	15.2	1.5
PC	15.3	0.31	11.4	0.40	6.2	0.28	14.6	0.65	13.0	0.66
PS	11.7	2.1	9.8	1.7	14.6	2.3	3.0	3.5	2.4	3.0
PE	5.8	0.55	8.9	0.58	5.6	0.39	12.0	0.85	10.3	0.84
PE O/P	3.3	1.2	17.9	1.7	20.9	2.2	21.9	1.3	17.9	1.3
DAG	1.5	1.5								
PC O/P	0.81	0.40								
HexCer	0.76	3.8	2.2	1.5	0.4	2.0				
Cer	0.32	1.3	0.1	0.33	0.1	0.50				
PG	0.17	0.17	0.2	0.17	0.7	1.4				
PA	0.16	1.8					0.7	1.3	0.9	2.3
PI	0.13	0.13	1.0	0.18	1.0	0.12	7.9	0.74	6.9	0.76
Out/In	1.47		0.71		0.55		0.67		0.73	
Methods	MS		MS		MS		MS		MS	

#: Percent of total lipid quantified.

Factor: Factor of enrichment from cells to exosomes, from cells to HIV particles or from cells to DRMs.

Out/In: Sum of sphingolipids and lipids with the phosphocholine head group divided by all other lipids reported (except CHOL).

^a Same data as reported in Table 1, but the following lipid classes were not included in this table as they were not measured neither in the HIV particles nor in the DRMs: DAG, PC O/P, LacCer, LysoPI, LysoPE, Cer and Gb3.

- [34] Llorente A, Skotland T, Sylvanne T, Kauhanen D, Rog T, Orlowski A, et al. Molecular lipidomics of exosomes released by PC-3 prostate cancer cells. *Biochim Biophys Acta* 2013;1831:1302–9.
- [54] Lorizate M, Sachsenheimer T, Glass B, Habermann A, Gerl MJ, Krausslich HG, et al. Comparative lipidomics analysis of HIV-1 particles and their producer cell membrane in different cell lines. *Cell Microbiol* 2013;15:292–304.
- [67] Pike LJ, Han X, Chung KN, Gross RW. Lipid rafts are enriched in arachidonic acid and plasmenylethanolamine and their composition is independent of caveolin-1 expression: a quantitative electrospray ionization/mass spectrometric analysis. *Biochemistry* 2002;41:2075–88.