

Calculations of analyte loss in experiments conducted by Banerjee et al. (1985, Table 2)

[Data Source: Banerjee, S., Levitz, M., & Rosenberg, C. R. (1985). On the stability of salivary progesterone under various conditions of storage. *Steroids*, 46(6), 967–974. [https://doi.org/10.1016/S0039-128X\(85\)80004-0](https://doi.org/10.1016/S0039-128X(85)80004-0)]

Salivary progesterone (P4) concentrations of replicates of 10 samples stored in glass or polyethylene (PE) vials under different conditions

			PE v Glass at -20C		PE at RT v Glass at -20C		PE at RT v at -20C		Glass at RT v at -20C		
A	B	C	D	E	F	G	H	I	J	K	L
Sample	-20Glass	-20PE	C-B	C/B	RT3daysPE	%loss of P4 = 100*(F8-B8)/B8)	F-C	F/C	RT3daysGlass	J-B	J/B
1	115	109	-6	0.95	47	-59%	-62	0.43	100	-15	0.87
2	145	160	15	1.10	78	-46%	-82	0.49	135	-10	0.93
3	96	88	-8	0.92	35	-64%	-53	0.40	93	-3	0.97
4	120	125	5	1.04	59	-51%	-66	0.47	108	-12	0.90
5	114	93	-21	0.82	54	-53%	-39	0.58	116	2	1.02
6	142	142	0	1.00	121	-15%	-21	0.85	144	2	1.01
7	133	130	-3	0.98	90	-32%	-40	0.69	130	-3	0.98
8	128	125	-3	0.98	76	-41%	-49	0.61	124	-4	0.97
9	154	123	-31	0.80	112	-27%	-11	0.91	156	2	1.01
10	94	67	-27	0.71	39	-59%	-28	0.58	78	-16	0.83
Mean	124.10	116.20	-7.90	0.93	71.10	-45%	-45.10	0.60	118.40	-5.70	0.95

Column KEY

A	Sample Number
B	Salivary P4 concentration after storage for 72 hours at -20C in glass vials
C	Salivary P4 concentration after storage for 72 hours at -20C in polyethylene vials
D	Difference in P4 between storage in PE vial at -20C relative to storage in glass vial at -20C
E	Ratio of P4 stored in PE vial at -20C relative to storage in glass vial at -20C
F	Salivary P4 concentration after storage for 72 hours at room temperature (RT) in PE vials
G	% loss in P4 from storage in PE vial at RT for 3 days relative to frozen storage in glass
H	Difference in P4 between storage in PE vial at RT relative to storage in PE vial at -20C
I	Ratio of P4 stored in PE vial at RT relative to storage in PE vial at -20C
J	Salivary P4 concentration after storage for 72 hours at RT in glass vials
K	Difference in P4 between storage in glass vial at RT relative to storage in glass vial at -20C
L	Ratio of P4 stored in PE vial at RT relative to storage in glass vial at -20C

Salivary progesterone (P4) concentrations of replicates of 6 samples stored in glass or polypropylene (PP) vials under different conditions

			PP v Glass at -20C		PP at RT v Glass at -20C		PP at RT v at -20C	
A	B	C	D	E	F	G	H	I
Sample	-20Glass	-20PP	C-B	C/B	RT3daysPP	%loss of P4 = 100*(F8-B8)/B8)	F-C	F/C
11	133	125	-8	0.94	103	-23%	-22	0.82
12	125	130	5	1.04	123	-2%	-7	0.95
13	165	160	-5	0.97	148	-10%	-12	0.93
14	128	131	3	1.02	110	-14%	-21	0.84
15	250	230	-20	0.92	165	-34%	-65	0.72
16	205	206	1	1.00	165	-20%	-41	0.80
Mean	167.67	163.67	-4.00	0.98	135.67	-17%	-28.00	0.84

Column KEY

A	Sample Number
B	Salivary P4 concentration after storage for 72 hours at -20C in glass vials
C	Salivary P4 concentration after storage for 72 hours at -20C in polypropylene vials
D	Difference in P4 between storage in PP vial at -20C relative to storage in glass vial at -20C
E	Ratio of P4 stored in PP vial at -20C relative to storage in glass vial at -20C
F	Salivary P4 concentration after storage for 72 hours at room temperature (RT) in PP vials
G	% loss in P4 from storage in PP vial at RT for 3 days relative to frozen storage in glass
H	Difference in P4 between storage in PP vial at RT relative to storage in PP vial at -20C
I	Ratio of P4 stored in PP vial at RT relative to storage in PP vial at -20C