

**S4 Table. Serum concentrations of indicators of liver function in cows receiving plant bioactive lipid compounds and biotin (PBLC+B) from d -21 to 37 relative to parturition, cows receiving a monensin bolus (MON) at d -21 or cows receiving no such supplements (CON)**

Day	Cholesterol, mmol/L					Bilirubin, $\mu$ mol/L					Urea, mmol/L				
	CON	PBLC+B	MON	SEM	<i>P</i> -value	CON	PBLC+B	MON	SEM	<i>P</i> -value	CON	PBLC+B	MON	SEM	<i>P</i> -value
-21	2.85	2.84	2.84	0.268	1.00	0.64	0.61	0.63	0.167	0.66	4.37	4.31	4.36	0.261	0.97
-7	2.05	2.02	2.05	0.170	0.98	1.39	1.33	1.65	0.468	0.78	3.94	4.32	4.32	0.259	0.23
2	1.65	1.61	1.73	0.144	0.74	5.05	3.91	5.94	1.206	0.74	4.35	4.53	4.89	0.378	0.77
9	2.19	2.10	2.05	0.199	0.75	3.24	2.79	3.51	0.783	0.94	4.14	3.92	4.43	0.268	0.27
16	2.70	2.80	2.63	0.244	0.76	2.62	1.68	2.06	0.644	0.75	4.28	3.86	4.62	0.305	0.054
23	3.24	3.51	3.33	0.288	0.60	1.37	1.24	1.30	0.351	1.00	4.48	4.48	4.92	0.341	0.33
30	3.71	3.92	3.99	0.299	0.59	1.08	0.84	0.83	0.281	0.63	4.63	4.39	4.93	0.303	0.21
37	4.02	4.35	4.44	0.334	0.41	0.81	0.83	0.84	0.240	0.83	5.20	4.72	5.12	0.300	0.24
44	4.40	4.71	4.85	0.346	0.41	0.56	0.90	0.81	0.235	0.57	4.94	4.91	5.15	0.239	0.76
51	4.64	4.93	5.05	0.356	0.46	0.67	0.77	0.50	0.187	0.43	5.18	4.94	5.38	0.308	0.37
58	4.80	4.96	5.09	0.380	0.74	0.51	0.53	0.50	0.120	0.95	5.48	4.95	5.58	0.271	0.063

Data are means and pooled SEM of 17 cows in the CON group, 18 cows in the PBLC+B group and 18 cows in the MON group.