

Table S1. Serum chemistry values for blood collected from preterm pigs at term equivalent age after nine days of feeding the two milk replacers with docosahexanoic acid (DHA)-enriched phosphatidylserine (PS-DHA) or placebo.

Parameter	Control	PS-DHA	P value
Glucose (mg/dL)	67 ± 7	66 ± 10	0.99
Blood Urea Nitrogen (mg/dL)	15.1 ± 1.9	15.7 ± 2.5	0.84
Creatinine (mg/dL)	0.73 ± 0.04	0.72 ± 0.08	0.90
Na (mmol/L)	141 ± 0.6	145 ± 1.8	0.03
K (mmol/L)	4.7 ± 0.11	4.7 ± 0.23	0.97
Cl (mmol/L)	104 ± 1.2	106 ± 2.0	0.33
Ca (mg/dL)	9.3 ± 0.2	9.5 ± 0.2	0.35
Protein (g/dL)	3.3 ± 0.14	3.2 ± 0.14	0.57
Albumin (g/dL)	1.61 ± 0.20	1.53 ± 0.158	0.78
Globulin (g/dL)	1.47 ± 0.09	1.60 ± 0.10	0.34
Bilirubin (mg/dL)	<0.20	<0.20	1
Alkaline Phosphatase (IU/L)	678 ± 54	650 ± 59	0.77
Aspartate Aminotransferase (IU/L)	20.9 ± 2.2	16.7 ± 0.5	0.09
Alanine Aminotransferase (IU/L)	11.3 ± 1.4	12.5 ± 1.1	0.52
Cholesterol (mg/dL)	88.8 ± 4.8	92.7 ± 8.0	0.66
Triglycerides (mg/dL)	25.1 ± 2.0	25.0 ± 3.0	0.97
HDL Cholesterol (mg/dL)	53.8 ± 4.1	55.3 ± 5.8	0.83
VLDL Cholesterol (mg/dL)	6.3 ± 1.3	6.1 ± 1.0	0.90
LDL Cholesterol (mg/dL)	30.0 ± 2.3	31.5 ± 3.5	0.69

Table S2. Hematology of blood collected immediately before euthanasia from preterm pigs at term equivalent age after nine days of feeding the two milk replacers with docosahexanoic acid (DHA)-enriched phosphatidylserine (PS-DHA) or placebo.

Parameter	Control	PS-DHA	<i>P</i> value
WBC $10^9/L$	13.75 ± 2.52	11.38 ± 2.42	0.58
Lymphocytes $10^9/l$ (%)	13.5 ± 2.6 (98 ± 1)	11.2 ± 2.5 (98 ± 1)	0.59 (0.81)
Monocytes $10^9/L$ (%)	0.07 ± 0.01 (0.6 ± 0.1)	0.06 ± 0.01 (0.6 ± 0.1)	0.65 (0.77)
Granulocytes $10^9/L$ (%)	0.05 ± 0.02 (0.6 ± 0.2)	0.12 ± 0.03 (1.3 ± 0.6)	0.22 (0.42)
Red Blood Cells $10^{12}/L$	4.11 ± 0.38	4.86 ± 0.49	0.35
Hematocrit	22.6 ± 2.6	25.6 ± 2.4	0.49
Hemoglobin g/dL	7.04 ± 0.82	8.69 ± 1.01	0.32
Platelets ($10^9/l$)	274 ± 63	240 ± 31	0.66