Supplementary Table S2. BW, IgG and IgM concentrations and Complement system activity (TCA and ACA) of lambs from NR, C4 and C8 groups during weaning.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Rearing system | | | Effects | | |
|  | Days | NR | C4 | C8 | RS.1 | T.2 | RS.\*T. |
| BW |  |  |  |  | 0.4931 | <0.0001 | <0.0001 |
| (kg) | 0 | 10.35a | 10.10a | 10.05a |  |  |  |
|  | 5 | 11.41b | 10.83b | 10.74b |  |  |  |
|  | 10 | 12.02c | 11.56c | 11.74c |  |  |  |
|  | 15 | 12.95d | 13.07d | 13.35d |  |  |  |
|  | 20 | 13.89e | 14.46e | 14.26e |  |  |  |
|  | 25 | 14.62f,z | 15.72f,y | 15.63y |  |  |  |
|  | 30 | 15.28g,z | 16.89g,y | 16.95g,y |  |  |  |
|  | SEM | 0.236 | 0.373 | 0.403 |  |  |  |
| IgG |  |  |  |  | 0.2630 | 0.0180 | 0.0297 |
| (mg/mL) | 0 | 5.22a,z | 2.18a,y | 5.62a,z |  |  |  |
|  | 5 | 4.39ab | 3.59a | 4.62ab |  |  |  |
|  | 10 | 4.55a | 4.02ab | 4.45ab |  |  |  |
|  | 15 | 4.11b | 4.44ab | 4.26b |  |  |  |
|  | 20 | 4.69a | 5.46ab | 4.26b |  |  |  |
|  | 25 | 5.06a | 4.03ab | 4.19b |  |  |  |
|  | 30 | 7.11b | 5.72b | 5.62a |  |  |  |
|  | SEM | 0.266 | 0.230 | 0.254 |  |  |  |
| IgM |  |  |  |  | 0.2045 | <0.0001 | 0.0012 |
| (mg/mL) | 0 | 0.78a | 0.82a | 0.71 |  |  |  |
|  | 5 | 0.84ab | 1.10a | 0.77 |  |  |  |
|  | 10 | 0.88ab,z | 1.52b,y | 0.86z |  |  |  |
|  | 15 | 1.02b | 1.36ab | 1.22 |  |  |  |
|  | 20 | 0.90ab | 1.38ab | 1.39 |  |  |  |
|  | 25 | 0.96b,z | 1.49b,y | 1.39y |  |  |  |
|  | 30 | 1.05b,z | 1.90c,y | 1.77y |  |  |  |
|  | SEM | 0.046 | 0.080 | 0.051 |  |  |  |
| TCA |  |  |  |  | 0.0345 | 0.0058 | 0.0126 |
| Hemolysis | 0 | 53.17a | 55.26ab | 56.13a |  |  |  |
| Rate (%) | 5 | 51.32a,z | 54.58a,z | 64.92ab,y |  |  |  |
|  | 10 | 49.86a, z | 51.79a,y | 72.74b,y |  |  |  |
|  | 15 | 61.01ab,zy | 50.35a,y | 73.95b,z |  |  |  |
|  | 20 | 55.39a,z | 51.93a,z | 75.82bc,y |  |  |  |
|  | 25 | 65.20b,zy | 50.91a,y | 78.08b,z |  |  |  |
|  | 30 | 65.06b | 60.05b | 78.10b |  |  |  |
|  | SEM | 1.846 | 2.573 | 4.406 |  |  |  |
| ACA |  |  |  |  | 0.0256 | <0.0001 | 0.0210 |
| Hemolysis | 0 | 43.80a | 39.23a | 45.40a |  |  |  |
| Rate (%) | 5 | 46.99ab,zy | 37.69a,y | 54.47b,z |  |  |  |
|  | 10 | 44.42a,z | 47.41ab,z | 67.76c,y |  |  |  |
|  | 15 | 53.44ab,zy | 42.35ab,y | 68.39c,z |  |  |  |
|  | 20 | 43.21a,z | 39.465a,z | 67.50c,y |  |  |  |
|  | 25 | 55.52b,zy | 41.15ab,y | 63.38c,z |  |  |  |
|  | 30 | 55.40b | 50.77b | 64.65c |  |  |  |
|  | SEM | 1.900 | 2.167 | 2.530 |  |  |  |

1Rearing System; 2 Days.

z–y Means within a row with different superscript letters for an specific item differ significantly (P < 0.05).

a–d Means within a column for a specific item with different superscript letters differ significantly (P < 0.05).

TCA: Total complement system activity; ACA: Alternative complement system activity; ns: not significant (P>0.05); nd: non-detectable.; NR: Natural rearing lambs; C4: Artificial rearing lambs fed with a colostrum amount equivalent to 4 g of IgG/kg of BW at birth; C8: Artificial rearing lambs fed with a colostrum amount equivalent to 8 g of IgG/kg of BW at birth.