Effects of in ovo feeding of L-arginine on breast muscle growth and protein deposition in post-hatch broilers

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The journal: *animal*

Suppementary Table S1 *The composition and nutrient content of the basal diet*

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| --- | --- |
| Items | Value |
| Ingredients, % |  |
| Corn | 57.61 |
| Soybean meal | 31.00 |
| Corn gluten meal | 3.29 |
| Soybean oil | 3.11 |
| Limestone | 1.20 |
| Dicalcium phosphate | 2.00 |
| L-Lys HCl | 0.34 |
| DL-Met | 0.15 |
| Salt | 0.30 |
| Premix1 | 1.00 |
| Total | 100.00 |
| Calculated nutrient levels |  |
| Metabolic energy, MJ/kg | 12.56 |
| Crude protein, % | 21.10 |
| Calcium, % | 1.00 |
| Available phosphorus, % | 0.46 |
| Lysine, % | 1.20 |
| Methionine, % | 0.50 |
| Methionine + cysteine, % | 0.85 |
| Arginine, % | 1.36 |
| Threonine, % | 0.79 |

1Premix provided per kilogram of diet vitamin A (trans-retinyl acetate), 12,000 IU; vitamin D3 (cholecalciferol), 2,500 IU; vitamin E (dl-α-tocopherol acetate), 20 IU; vitamin K3 (menadione), 1.3 mg; thiamin, 2.2 mg; riboﬂavin, 8.0 mg; nicotinamide, 40 mg; choline chloride, 400 mg; pantothenic acid (d-Ca pantothenate), 15 mg; pyridoxine·HCl, 4 mg; biotin, 0.04 mg; folic acid, 1 mg; vitamin B12 (cobalamin), 0.013 mg; Fe (from ferrous sulfate), 80 mg; Cu (from copper sulfate), 8.0 mg; Mn (from manganese sulfate), 110 mg; Zn (from zinc sulfate), 60 mg; I (from calcium iodate), 1.1 mg; and Se (from sodium selenite), 0.3 mg.