

In Ovo Feeding of Commercial Broiler Eggs: An Accurate and Reproducible Method to Affect Muscle Development and Growth

Hanna M. Alcocer¹, Xiaoxing Xu¹, Morgan E. Gravely¹, John M. Gonzalez¹

¹Department of Animal and Dairy Sciences, University of Georgia

Corresponding Author

John M. Gonzalez

johngonz@uga.edu

Citation

Alcocer, H.M., Xu, X., Gravely, M.E., Gonzalez, J.M. *In Ovo Feeding of Commercial Broiler Eggs: An Accurate and Reproducible Method to Affect Muscle Development and Growth*. *J. Vis. Exp.* (175), e63006, doi:10.3791/63006 (2021).

Date Published

September 20, 2021

DOI

10.3791/63006

URL

jove.com/video/63006

Materials

Name	Company	Catalog Number	Comments
Air-Tite™ Sterile Hypodermic Needles- 20 G; 1 inch	Fisher Scientific	14-817-208	https://www.fishersci.com/shop/products/sterile-hypodermic-needles-32/p-7182916#?keyword=
Analytical Balance	VWR	VWR-214B2	https://us.vwr.com/store/product/20970740/vwr-b2-series-analytical-and-precision-balances
Complete Dissection Set	DOCAZON	DK1001	https://www.amazon.com/DOCAZON-Complete-Dissection-Set-Dissecting/dp/B07VBHKS3W3
Fisherbrand™ Isotemp™ General Purpose Deluxe Water Baths	Fisher Scientific	FSGPD02	https://www.fishersci.com/shop/products/isotemp-general-purpose-water-baths/p-6448020
Fisherbrand™ Sterile Syringes for Single Use	Fisher Scientific	14-955-464	https://www.fishersci.com/shop/products/sterile-syringes-single-use-12/p-7114739#?keyword=
HIGH INTENSITY EGG CANDLER	Titan Incubators	N/A	https://www.titanincubators.com/collections/egg-candlers/products/egg-candler-high-intensity
Infrared Forehead Thermometer	HALIDODO	XZ-001	
Microsoft Excel	Microsoft	N/A	
Neiko Tools Digital Caliper	Neiko Tools	01408A	https://www.amazon.com/Neiko-01407A-Electronic-Digital-Stainless/dp/B000NEA0P8?th=1
Nexcare Absolute Waterproof Tape	Nexcare Brand	732	https://www.nexcare.com/3M/en_US/nexcare/products/catalog/~Nexcare-Absolute-Waterproof-Tape/?N=4326+3294529207+3294631805&rt=rud
Pen Size Temperature and Humidity USB Data Logger with Display	Omega	OM-HL-SP-TH	https://www.omega.com/en-us/temperature-measurement/temperature-and-humidity-data-loggers/p/OM-HL-SP-Series

SAS 9.4 for Windows	SAS Institute	N/A	https://www.sas.com/en_us/home.html
Sportsman 1502 Incubator	GQF Manufacturing	1502	https://www.gqfmfg.com/item/1502-digital-sportsman/
Tru Niagen (Nicotinamide riboside)	ChromaDex, Inc.	N/A	https://www.truniagen.com/truniagen-300mg/ - note, contact company for pure product
Wood Craft Sticks	Creatology	M20001547	https://www.michaels.com/wood-craft-sticks-by-creatology/M20001547.html