

PLASMA CAN REPLACE EGG WHITE POWDER OR WHOLE EGG POWDER IN WET PET FOOD RECIPES

With the prices of egg protein ingredients skyrocketing, pet food manufacturers can gain benefits by substituting spray dried plasma (SDP) in formulas. Plasma is commonly used in both wet and dry foods, treats and supplements for its functional properties, proven health benefits and palatability.

Research aimed to compare the functionality of different egg products vs SDP at different inclusion levels in standard chunk recipes.

Base formula protein products were homogenized in a meal bowl-chopper for 5 minutes. SDP and the two egg products (egg powder and egg white) were included at 2 and 4 percent replacing poultry carcass.

PLASMA PROVIDES SUPERIOR FUNCTIONAL BENEFITS AT A COST SAVINGS TO EGG PRODUCTS.



BOTTOM LINE

**USE
2%
SDP**

**TO REPLACE 4%
EGG POWDER**

**USE
2%
SDP**

**TO REPLACE 2%
EGG WHITE**



PRODUCT CHARACTERISTICS

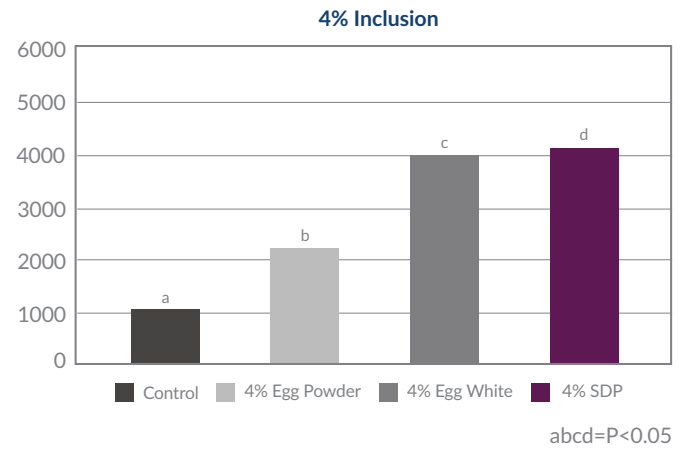
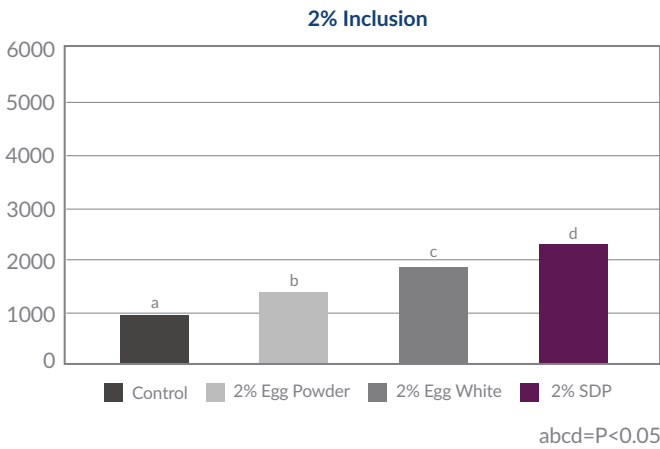
EGG WHITE POWDER	
PARAMETERS	VALUES
Protein	86%
Fat	0.0%

WHOLE EGG POWDER	
PARAMETERS	VALUES
Protein	51%
Fat	38%

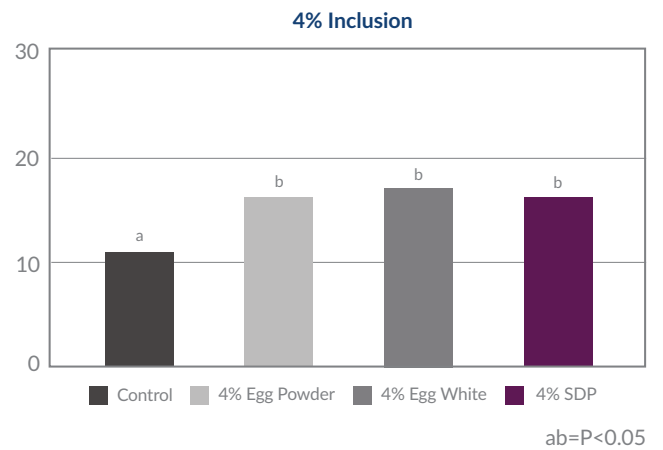
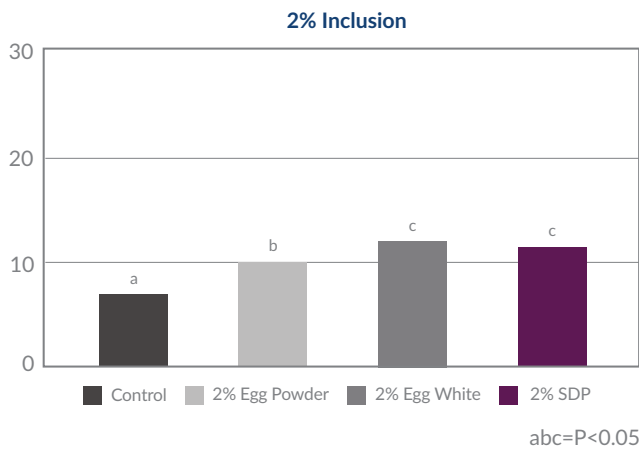
SPRAY DRIED PLASMA	
PARAMETERS	VALUES
Protein	78%
Fat	0.0%

REVIEWING KEY RESULTS

HARDNESS: 2% and 4% SDP provide higher hardness than Egg White, Egg Powder and Control.



COOK IN: 2% SDP and Egg White are highest and greater than Egg Powder and Control; 4% - all FP treatments similar and higher than control.



TEXTURE: 2% SDP and Egg White are highest and greater than Egg Powder and Control; 4% - all FP treatments different with highest texture from SDP.

