

Table 12. Effects of dietary arginine or citrulline on enzyme activity

Items, (ng/mg protein)	NC	PC	Arg1.15	Arg1.25	Cit33	Cit50	SEM	<i>p</i> -value
Liver								
Total NO synthase	17.71	18.69	22.67	22.81	21.27	19.95	1.659	0.191
Arginase	2.86b	3.39b	3.99ab	5.06a	3.88ab	3.97ab	0.276	<0.001
Kidney								
Total NO synthase	15.61b	16.10b	17.69b	24.53a	16.55b	15.29b	1.150	<0.001
Arginase	2.52c	3.69b	3.68b	4.59a	3.69b	3.79b	0.138	<0.001

NC, Arg: Lys=0.95; PC, Arg: Lys=1.05; Arg1.15, Arg: Lys=1.15; Arg1.25, Arg: Lys=1.25. Arg, arginine; Lys, lysine; Cit33, supplementation of Cit at 33% of Arg in Arg1.15; Cit50, supplementation of Cit at 50% of Arg in Arg1.15

NO, nitric oxide; SEM, stand error of means

a, b Means within a column with different superscripts differ significantly ($p < 0.05$).

ACCEPTED