Table S1. Standardization of measurement of short-chain fatty acids in ruminal fluid.

	Acetic acid	Propionic acid	Butyric acid	Isovaleric acid
R^2	0.9992	0.9991	0.9994	0.9993
Equation	y = 0.0095x + 0.0158	y = 0.0166x − 0.0073	y = 0.0226x + 0.0016	y = 0.0313x − 0.0009
Linear range (mmol L^{-1})*	4.50 − 135.11	1.67 − 133.24	1.41 − 33.91	0.60 − 14.37
LOD (mmol L^{-1})	1.13	0.83	0.71	0.30
LOQ (mmol L^{-1})	4.50	1.67	1.41	0.60
Accuracy	101.76	104.61	105.63	99.19
Repeatability (RSD)	3.70	4.52	3.97	3.24

* The linear ranges LOD (limit of detection) and LOQ (limit of quantitation) are expressed in mmol of SFA per L of ruminal fluid.

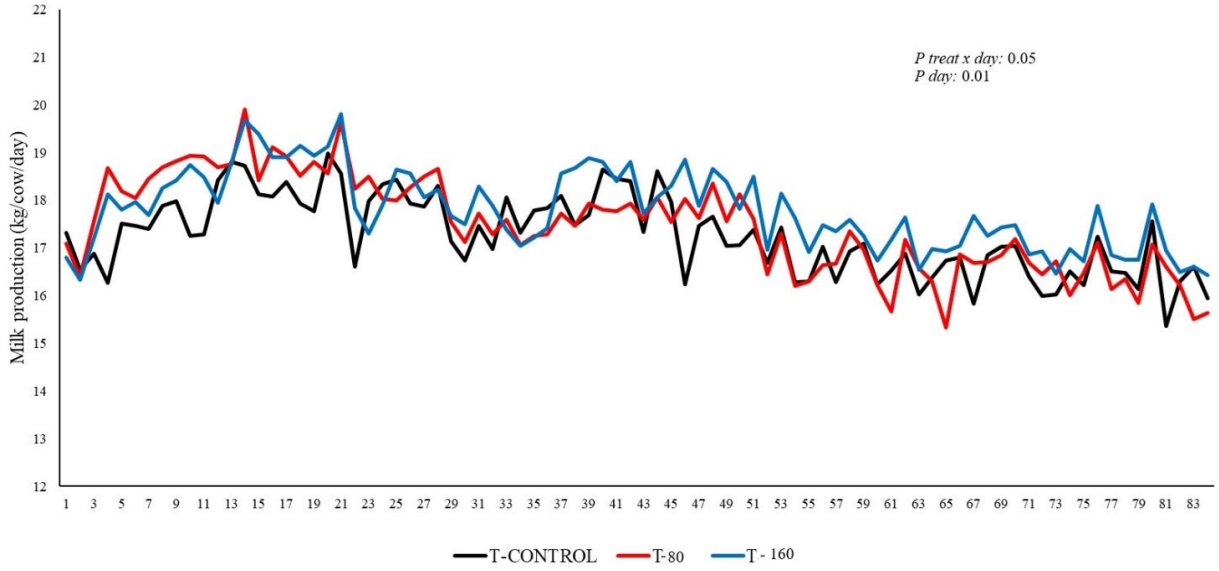


Figure S1: Milk production measured daily during the experiment. There is a difference between groups on certain days (p <0.05).

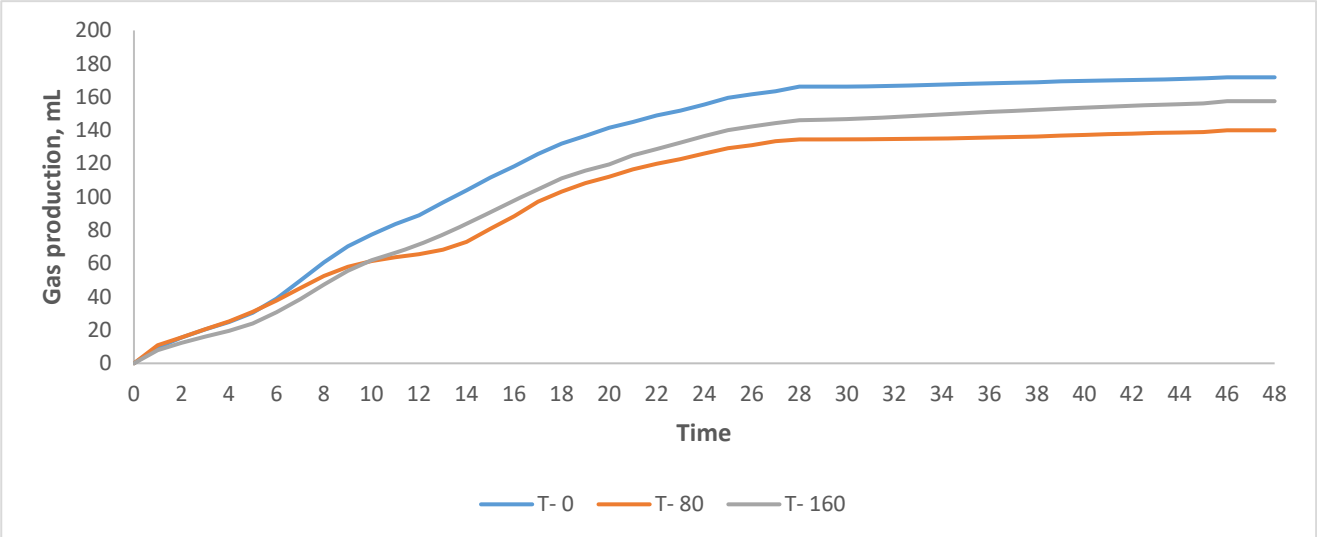


Figure S2: In vitro fermentation curve supplemented with doses of a blend of exogenous enzymes.