

Table (4): Digestion coefficients (%) and nutritive value of growing rabbits as affected by feeding diets supplemented with *Saccharomyces cerevisiae* (SC) and/ or sodium butyrate (SB).

Treatment Groups	Digestion coefficients (%)						Nutritive value (%)		
	DM	OM	CP	EE	CF	NFE	DCP	TDN	ME
Main effect of SC:									
SC 0.0	73.14 ^b	73.78 ^b	71.48 ^b	76.61	41.15 ^b	78.05	12.29 ^b	60.04	2512.77
SC 0.1	75.78 ^a	76.24 ^a	75.49 ^a	78.69	47.74 ^a	80.08	12.98 ^a	59.83	2503.84
SEM	0.62	0.56	0.62	0.68	1.56	0.85	0.11	0.28	11.89
P- value	0.01	0.01	0.01	NS	0.01	NS	0.01	NS	NS
Main effect of SB supplements									
SB 0.0	73.88	74.56	72.58 ^b	77.24	42.34	77.71	12.48 ^b	59.53	2491.12
SB 0.3	74.22	74.71	72.76 ^b	77.23	43.74	78.63	12.52 ^b	60.48	2530.88
SB 0.5	75.28	75.76	75.11 ^a	78.48	47.26	80.85	12.92 ^a	59.81	2502.91
SEM	0.88	0.83	1.04	0.95	2.07	0.97	0.18	0.30	12.67
P- value	NS	NS	0.05	NS	NS	NS	0.05	NS	NS
Interaction effect SC × SB									
P value	NS	NS	NS	NS	NS	NS	NS	NS	NS

a, b, c, d : different superscripts within a column indicate significant differences.

Total digestible energy (TDN), Digestible crude protein (DCP)

NS: Not significant, * $P \leq 0.05$, ** $P \leq 0.01$.

Table (5): Nitrogen balance of growing rabbits as affected by feeding diets supplemented with *Sacchoromyces cerevisiae* (SC) and/ or sodium butyrate (SB).

Treatment Groups	Nitrogen Balance							
	IN, g/d	FN, g/d	UN, g/d	DN, g/d	RN, g/d	DN/IN %	RN/IN %	RN/DN %
Main effect of SC:								
SC 0.0	2.70	0.77 ^a	0.55	1.93	1.37	71.48 ^b	50.90 ^b	71.17
SC 0.1	2.70	0.66 ^b	0.54	2.04	1.50	75.49 ^a	55.23 ^a	73.13
SEM	0.08	0.02	0.01	0.06	0.06	0.63	1.03	1.00
P- value	NS	0.01	NS	NS	NS	0.01	0.01	NS
Main effect of SB supplements								
SB 0.0	2.68	0.73	0.56	1.95	1.39	72.58 ^b	51.62	71.01
SB 0.3	2.63	0.72	0.54	1.91	1.37	72.76 ^b	52.11	71.64
SB 0.5	2.79	0.69	0.55	2.09	1.55	75.11 ^a	55.46	73.81
SEM	0.11	0.04	0.02	0.09	0.08	1.04	1.35	1.22
P- value	NS	NS	NS	NS	NS	0.05	NS	NS
Interaction effect SC × SB								
P value	NS	NS	NS	NS	NS	NS	NS	NS

a, b, c, d : different superscripts within a column indicate significant differences.

Intake N= IN, g/d; Fecal N= FN, g/d; Urinary N= UN, g/d; Digestible N= DN, g/d; Retained N= RN, g/d;

DN = IN-FN, RN = IN-FN-UN; DN/IN (%) = the efficiency of intake N converted into digestible N., RN/IN (%) = the efficiency of intake N converted into retained N., RN/DN (%) = the efficiency of digestible N converted into digestible N.

NS: Not significant, * P≤ 0.05, **P ≤ 0.01.

Table (6): Blood serum of growing rabbits as affected by feeding diets supplemented with *Saccharomyces cerevisiae* (SC) and/ or sodium butyrate (SB).

Treatment Groups	Blood serum parameters									
	Protein profile mg/dl				Lipid profile mg/dl				Liver enzyme u/L	
	TP	ALB	GLOB	A/G ratio	CHO	TG	HDL	LDL	GPT	GOT
Main effect of SC:										
SC 0.0	5.80 ^b	3.56	2.24 ^b	1.65	103.68 ^a	51.16 ^a	35.06 ^a	15.19	49.05	34.06
SC 0.1	6.37 ^a	3.60	2.77 ^a	1.31	79.67 ^b	46.70 ^b	29.29 ^b	14.38	44.23	28.88
SEM	0.07	0.10	0.10	0.10	6.01	1.17	0.73	0.56	4.84	5.62
P- value	0.01	NS	0.01	NS	0.01	0.01	0.01	NS	NS	NS
Main effect of SB supplements										
SB 0.0	5.89 ^b	3.51	2.37	1.50	109.02 ^a	53.10 ^a	33.65 ^a	15.94	43.86	29.50
SB 0.3	6.05 ^{ab}	3.54	2.51	1.44	88.17 ^b	47.24 ^b	32.63 ^{ab}	14.45	44.64	29.14
SB 0.5	6.31 ^a	3.69	2.63	1.50	77.83 ^c	46.45 ^b	30.25 ^b	13.96	51.43	35.76
SEM	0.13	0.12	0.17	0.14	6.78	1.20	1.45	0.60	5.98	7.39
P- value	0.01	NS	NS	NS	0.01	0.01	0.05	NS	NS	NS
Interaction effect SC × SB										
P value	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

a, b, c, d : different superscripts within a column indicate significant differences.

Serum total protein (TP), Serum total albumin (ALB), Globulin (GLOB), Albumin to globulin ratio(A/G ratio), Cholesterol (CHO), Triglycerides (TG), High density lipoprotein (HDL), Low density lipoprotein (LDL), serum glutamic pyruvic transaminase (GPT), serum glutamic oxaloacetic transaminase (GOT)

NS: Not significant, * P≤ 0.05, **P ≤ 0.01.