

1 **Supplementary Data**

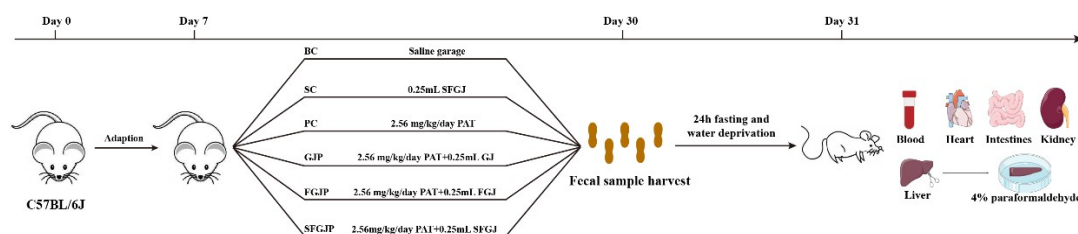
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Table S1. Microwave digestion program

Process	Setting temperature (°C)	Temperature rising time (min)	Temperature holding time (min)
1	120	6	1
2	150	3	5
3	180	5	10

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Figure S1. *In vivo* experimental abstract

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Table S2. Orthogonal experimental result

Sample	A Inoculum size (%)	B Selenium addition time (h)	C Culture time (h)	D	Y ₁	Y ₂	Y ₃
1	1	1	1	1	14.26	14.38	14.51
2	1	2	2	2	12.91	12.58	12.88
3	1	3	3	3	10.68	10.36	10.75
4	2	1	2	3	15.84	16.10	16.10
5	2	2	3	1	14.70	14.54	14.42
6	2	3	1	2	13.31	13.23	13.69
7	3	1	3	2	19.54	20.07	20.08
8	3	2	1	3	18.31	18.97	18.15
9	3	3	2	1	16.35	16.41	17.49
K ₁	113.30	150.88	138.80	137.06			
K ₂	131.93	137.47	136.65	135.29			
K ₃	165.37	122.26	135.15	135.26			

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Table S3. Analysis of variance of orthogonal test results

Items	Sum of squared deviations	Freedom	Mean square	F value	P value	Significance
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Inoculum size	154.68	2	77.34	675.46 3	P<0.01	**
Selenium addition time	45.542	2	22.771	198.87 4	P<0.01	**
Culture time	0.748	2	0.374	3.266	P>0.05	
Error	2.29	20	0.114			
Summary	203.26	26				

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