

Nicotinamide riboside supplementation alters body composition and skeletal muscle acetylcarnitine concentrations in healthy obese humans, by Remie et al. (2019)

On-line Supplementary Material

Supplementary material for

Nicotinamide riboside supplementation alters body composition and skeletal muscle acetylcarnitine concentrations in healthy obese humans

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Supplementary Table 1. Internal standard mixture for NAD⁺ targeted metabolomics in skeletal muscle biopsies

Internal standard	Concentration (μM)
Adenosine- ¹⁵ N ₅ -monophosphate	100
Adenosine- ¹⁵ N ₅ -triphosphate	1000
D ₄ -alanine	100
D ₇ -arginine	100
D ₃ -aspartic acid	100
D ₄ -citric acid	100
¹³ C ₁ -citrulline	100
¹³ C ₆ -fructose-1,6-diphosphate	100
Guanosine- ¹⁵ N ₅ -monophosphate	100
Guanosine- ¹⁵ N ₅ -triphosphate	1000
¹³ C ₆ -glucose	1000
¹³ C ₆ -glucose-6-phosphate	100
D ₃ -glutamic acid	100
D ₅ -glutamine	100
¹³ C ₆ -isoleucine	100
D ₃ -leucine	100
D ₄ -lysine	100
D ₃ -methionine	100
D ₆ -ornithine	100
D ₅ -phenylalanine	100
D ₇ -proline	100
¹³ C ₃ -pyruvate	100
D ₃ -serine	100
D ₅ -tryptophan	100
D ₄ -tyrosine	100
D ₈ -valine	100
¹³ C ₅ -nicotinamide adenine dinucleotide	100

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Supplementary Table 2. Subject characteristics

Parameter	Mean \pm SD
Gender F/M	7/6
Age (years)	59 \pm 5
Body weight (kg)	87.2 \pm 13.6
Height (m)	1.70 \pm 0.11
BMI (kg/m^2)	30.2 \pm 2.6
VO ₂ peak (ml/min/kg)	27.0 \pm 5.7
Physical activity level (Baecke score)	7.51 \pm 1.16

BMI, body mass index; VO₂peak, peak oxygen consumption.

Supplementary Figure 1. Flowchart subject inclusion

