

**Supplementary Table S1.** FFA standard configuration

Standard number	Standard volume ( $\mu\text{L}$ )	Assay buffer ( $\mu\text{L}$ )	FFA concentration ( $\mu\text{mol/L}$ )
1	0	150	0
2	6	144	40
3	12	138	80
4	18	132	120
5	24	126	160
6	30	120	200

**Note.** Cited by [Abcam/Cardiovascular/Lipids/Lipoprotein>Fatty Acids>Synthesis. Available on line: <https://www.abcam.com/ab65341> (accessed on 20 February, 2021)]

**Supplementary Table S2.** Reaction mix configuration

Component	Reaction mix ( $\mu\text{L}$ )
Assay Buffer	44
Fatty Acid Probe	2
Enzyme Mix	2
Enhancer	2

**Note.** Cited by [Abcam/Cardiovascular/Lipids/Lipoprotein>Fatty Acids>Synthesis. Available on line: <https://www.abcam.com/ab65341> (accessed on 20 February, 2021)]