Article type

**Manuscript Title**

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**Abstract**

**The NextGen-O2k is an extended all-in-one high-resolution respirometer …[suggested length of 150-300 words]**

**Keywords**

Q-junction [5-10 suggested]

1. **Introduction**

Mitochondria play a central role in metabolism…

* 1. **[Subheadings optional]**

The Q-junction (or Q-pool) is a junction ….

1. **Methods [Sections may be ordered and titled as the authors wish]**
   1. **Reagents:**

* MES hydrate: 2-(N-Morpholino)ethanesulfonic acid hydrate (cat. no. M8250; Sigma Aldrich)…

1. **Results** 
   1. **Optimization of the Coenzyme Q2 concentration:**

Application of the lowest possible CoQ2 concentration is recommended to…

1. **Discussion** 
   1. **Artificial signals**

As it was already mentioned above, some chemicals …

**Acknowledgements**

**Author contributions**

**Conflicts of interest**

**Abbreviations**

**References**

1. Takada M, IKenoya S,Yuzuriha T, Katayama K. Simultaneous determination of reduced and oxidezed coenzyme Q10 in human plasma. Methods Enzymol. 1984;105:147-55.

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