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Respiratory rate (microCT)

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Miquel Vila¹

¹Vall d'Hebron Research Institute

Vilalab Public

Nuria



Miquel Vila

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Protocol status: Working

We use this protocol and it's working

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Abstract

Respiratory rate (microCT) measurement in mice



- 1 For the scanning procedure, anesthetize the animals with isoflurane (5% induction phase, 1% maintenance). Set the air flow to 0.8l/min.
- 2 Define parameters for image acquisition (field of view: 73 mm, acquisition time: 2 min, current voltage: 70 mV, and amperage: 200 uA).
- 3 Determine respiration frequency using microCT measurements acquired with Quantum FX imaging system (Perkin Elmer. 940 Winter St. Waltham, Massachusetts. EEUU).