

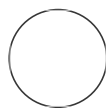


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Colonic Migrating Motor Complexes

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ABSTRACT

Protocol used in "Peripheral Neuronal Activation Shapes the Microbiome and Alters Gut Physiology"

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We use this protocol and it's working

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	Sample Preparation	1h 5m
1	Intact colons were dissected from cervically-dislocated mice.	10m
2	Colons were flushed and placed in pre-oxygenated (95% O ₂ , 5% CO ₂) Krebs-Henseleit solution at RT	10m
3	Proximal and distal ends were cannulated to 2 mm diameter tubes and secured in the center of an organ bath with continuously oxygenated Krebs-Henseleit solution at 37 °C.	10m
4	Syringe pumps were connected to the inlet and outlet tubes to maintain a flow of solution at a rate of 500 µL/min through the colon.	5m

- 5 The system was allowed to equilibrate for 30 minutes before recording.

30m

Data Aquisition

1h

- 6 Baseline recordings were taken for 30 minutes, then the Krebs solution in the organ bath was briefly removed, mixed with C21 to a final concentration of 2 μ M, and replaced in the organ bath. Recordings were taken for another 30 minutes.

1h