

# Does Vitamin C Increase the Body Heat Generated By The Nervous System?

NCT07341308

---

Status	RECRUITING
Phase	Not Applicable
Sponsor	Colorado State University
Enrollment	20 participants

## Key Eligibility Criteria

---

### Inclusion (5)

- Age 18-40 years (inclusive)
- Body mass index greater than or equal to 25 kg/m<sup>2</sup> and less than 30 kg/m<sup>2</sup>
- Weight stable (no change in body mass greater than 5 Lbs. within the previous 6 months.
- Willing to abstain from caffeine and alcohol for 24-hours prior to two different study visits
- Competency in English as assessed by comprehension of the Informed Consent. This study involves invasive procedures and infusion of a systemic vasoactive agent (isoproterenol); for safety reasons, the ability for clear and rapid communication will be necessary between the research participants and the investigators.

### Exclusion (5)

- History of autonomic, cardio-pulmonary, and/or metabolic disease (including heart failure, hypertension, arrhythmia, vascular disease, and/or diabetes)
- Pregnancy or breast feeding
- Habitual use of tobacco/nicotine products or recreational drugs (2 or more uses within the previous month)
- History of a "sulfite allergy" as it is a relative contraindication to isoproterenol use.
- Has ingested vitamin supplements and/or antioxidant supplements during the previous 4-weeks (e.g. Vitamin C, Vitamin E, Multi-vitamins, etc.)

## Locations (1 total)

---

Colorado State University, Fort Collins, Colorado, United States