

UCEM Exercise Clinical Trials Facility (ECTF)

Core Laboratory Services

<i>Description</i>	<i>Unit</i>	<i>Price/Unit**</i>
Cardiorespiratory function and metabolism testing		
Diagnostic, maximal GXT with 12-lead ECG and respiration kinetics (VO ₂ , VCO ₂ , RER, VE, etc.)	1 test	\$250
Submaximal, steady state exercise test (walking, stair climbing, or cycling) with respiration kinetics to assess exercise metabolism	1 test	\$125
Resting Metabolism (resting energy expenditure via hood calorimetry)	1 test	\$100
Pulmonary Function Test (Spirometry)	1 test	\$75
Neuromuscular performance testing		
Maximum voluntary isometric strength (Biodex dynamometry)	Single muscle group	\$50(single-joint) \$75 (multi-joint)
Maximum voluntary concentric strength (biodex dynamometry or conventional 1RM)	Per 3 muscle group	\$150
Other performance tests	Per study basis	
Electrocardiogram		
Resting 12-lead ECG	1 test	\$75
Mobility Function Testing		
Gait analysis (instrumented walkway)	1 test	\$75
Mobility "field" tests (e.g., TUG, 6MW, gait speed, balance testing)	1 test battery	\$75
Other mobility assessment		
Exercise Training	Per hour	\$100-\$200
Body composition		
Total Body DEXA scan	1 test	\$100
Hip and Spine	1 test	\$100
Other body composition measurements	Per study basis	
Biospecimen collection		
Intravenous blood collection (with processing and storage)	1 draw	\$75
Straight stick blood collection (with processing and storage)	1 draw	\$50
Muscle biopsy (with processing and storage)	1 pass	\$400
Adipose Biopsy (with processing and storage)	1 pass	\$400
Hydration measurements	1 sample	\$15
Blood glucose measurement	1 sample	\$15
Blood lactate measurement	1 sample	\$15

**Prices include costs of all labor, supplies, and data analysis. To contact the facility or to arrange a consultation, email exercise@uab.edu or call 975-9042.

UCEM 2026 Pilot Grant Program - [UCEM Pilot Grant](#)

Bulk pricing for laboratory service is available upon request