BCAA/ARGININE SOLUTION

THERAPEUTICS
Amino acid solution to treat congestive heart failure, myocardial infarction, and ischemia reperfusion injury.

TECHNOLOGY SUMMARY
Autophagy is a cellular process that activates under conditions of nutrient stress. Excessive and long-term induction of autophagy leads to the destruction of essential proteins and organelles. It is also related to congestive heart failure, myocardial infarction, and ischemia reperfusion.

The proposed precise formulation of an amino acid solution comprised of isoleucine, leucine, valine and arginine increases mTOR signaling and cell growth in patients with damaged tissues and heart disease. In addition, the osmolarity and pH of the solution allow it to be administered in large volumes without risk of significant osmotic shift.

FEATURES AND BENEFITS
- Non-toxic.
- Allows high volume administration due to osmolarity (313 mosm) and pH (7.4).
- Activates mTOR signaling to proliferate cell growth.
- Suppresses autophagy and endoplasmatic reticulum stress.

LEARN MORE
Reference Number: U-5167

Aaron Duffy
Technology Manager
aaron.duffy@tvc.utah.edu
801-585-1377

INVENTOR PROFILE
Evan Abel, M.D., Ph.D., Chief - Division of Endocrinology, Metabolism, and Diabetes, School of Medicine

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