

**Technology:** [Compositions and methods for tissue preservation](#)

**VA ID Number** 08-029

**Inventor:** Shukri Khuri

**Location:** Boston, MA

**Topic:** Diagnostics

**USPTO Issue Date:** 2/3/2015

**Patent Number:** 8,945,823

The VA has a sole ownership interest

**Contact:** [Christopher.Drabik@va.gov](mailto:Christopher.Drabik@va.gov)

**Abstract:** Methods and compositions for resuscitating, storing, and preserving functional integrity of organs and tissues. Metabolic function is maintained by sustaining ATP levels, mitochondrial function, cardiomyocyte contractility, prevention of acidosis, inhibition of induction of apoptosis, maintaining ionotrophy and lusiotrophy by regulating calcium, sodium, potassium and chloride ions.