

Revolutionize Arrhythmia Care

AI-BASED TREATMENT PLANNING
AND PROCEDURAL IMPROVEMENT

THE vMAP® SYSTEM

The first ECG-based solution to localize arrhythmia sources with >97.3% accuracy.





Unlocking Insights from 12-Lead ECG Data

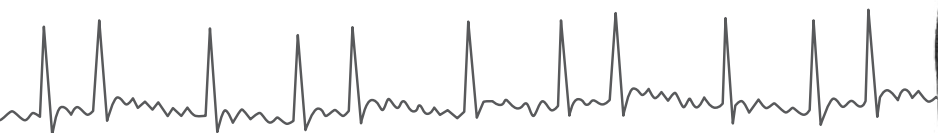
vMap® unlocks valuable insights contained in a standard 12-lead ECG, enabling physicians to rapidly and accurately locate arrhythmia source locations of focal and fibrillation type arrhythmias.

Designed to improve ablation outcomes and procedural efficiency, vMap can be utilized during triage, planning and procedures to provide rich insights that can streamline both mapping and ablation.



Non-Invasive Four Chamber Mapping

Accelerate target site identification with 3D renders, reducing procedure time and fluoroscopy exposure.

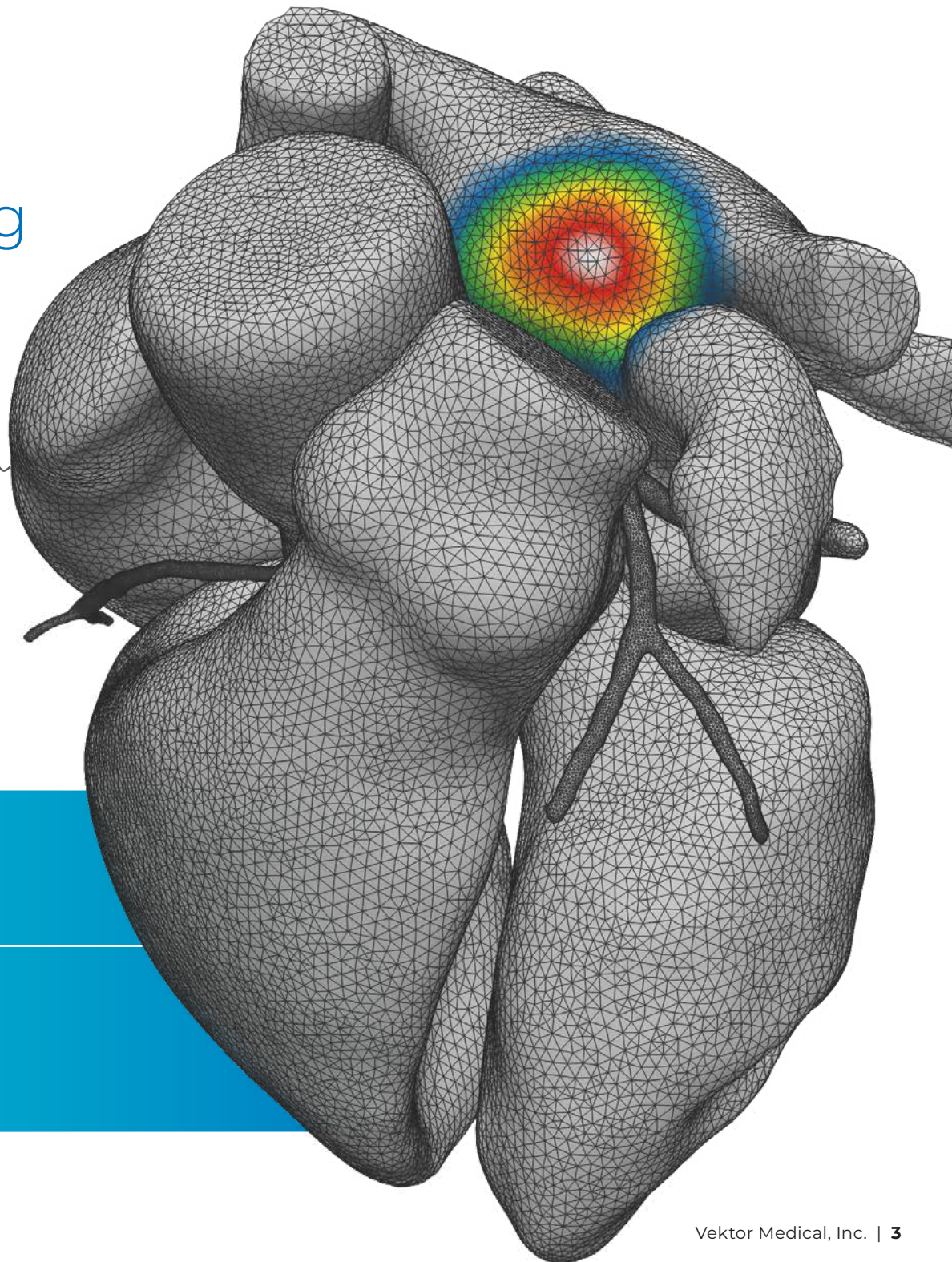


**Map arrhythmias in <3 minutes
using only 12-lead ECG data.¹**

Includes AF, VF, VT, PVC and other common arrhythmias and pacing.

**Reduce overall procedure time with
non-invasive ECG-directed analysis.¹**

Comprehensive arrhythmia analysis of target beats including the septal wall, outflow tracts and all four chambers.



Powered by AI-Based Technology

Created to improve arrhythmia understanding,
unlocking insights for the individual patient.



vMap utilizes advanced algorithms
and machine learning techniques to
improve patient outcomes and reduce
procedure risks.

97.3%

Accurate at identifying
ablation termination sites.¹



Enables novel ablation therapies, such
as hemodynamically unstable VT and
non-PVI based AF ablation.^{2,3}

Designed for
fibrillation & focal arrhythmias

Use During Ablation Planning & Procedures

Intuitive technology with rich insights that can be utilized for clinical decision support.

- Standard 12-lead ECG input*
- **Beat assist:** Enhances ECG interpretation by recommending segments of interest for the arrhythmia source location.
- **Automated ECG Baseline Correction:** Removes baseline wander, ensuring higher signal accuracy and supports more accurate interpretation.
- 3D visualization and 2D probabilistic source locations



Pre-procedural Planning In the Clinic

Pre-procedural identification of arrhythmias for better planning and rapid targeting during procedures.



Procedure Focus In the Lab

Enhanced procedural mapping capabilities, overcoming limitations and enabling successful treatment of complex arrhythmias.

Workflow Optimization & Improved Outcomes

- Delivers better patient outcomes^{2,4}
- 25% reduction in procedure time⁴
- Enhanced safety through shorter procedures and less fluoroscopy exposure⁴
- More efficient and less-costly ablation procedures⁴

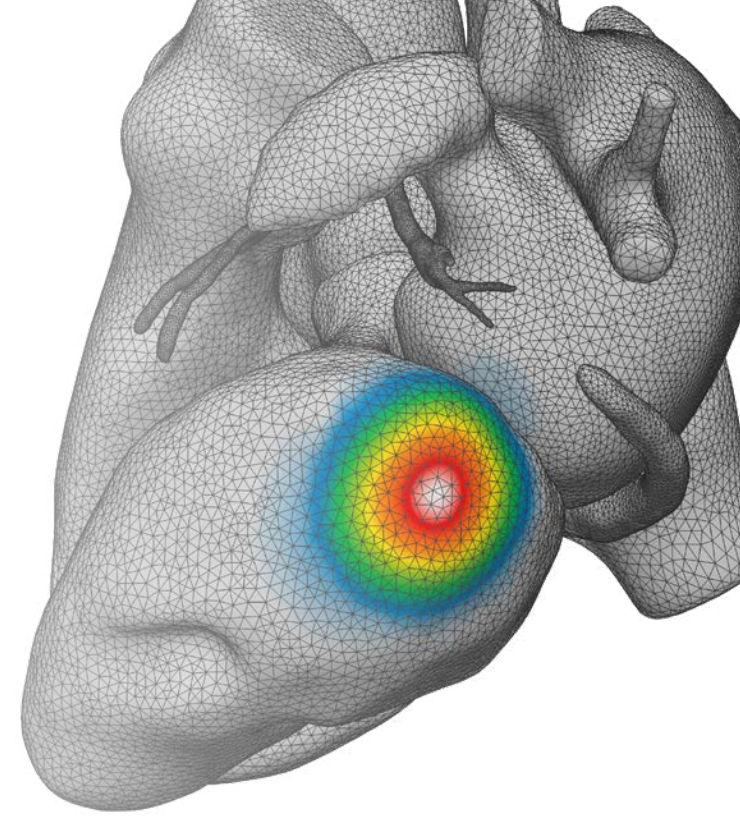


LEARN MORE

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PART #	DESCRIPTION
VMDISP2	vMap® Disposable Kit (including mapping key and USB flash drive)
VMCU2	vMap® System Hardware (includes Main Control Unit, Monitor, Peripherals, and Cords)



vMap® is for use only by trained physicians in strict accordance with the FDA cleared Instructions for Use. It is commercially available for clinical use in the United States.

INTENDED USE: vMap® is intended for the analysis, display, and storage of cardiac electrophysiological data and maps for analysis by a physician.

1. Krummen D, et al. Forward-Solution Noninvasive Computational Arrhythmia Mapping: The VMAP Study. Circ Arrhythm Electrophysiol 2022 Sep 7;101161CIRCEP122010857.
2. Ho G, et al. Real-Time Computational ECG-Mapping to Facilitate Invasive Activation Mapping of Hemodynamically Unstable Ventricular Tachycardia: Accuracy and Outcomes. Heart Rhythm (suppl). May 2023. (abstract)
3. Fox S, et al. Mapping and Ablation Guided by Patient ECG Biomarkers of Arrhythmia Source Location Improves Procedural Outcomes Versus Pulmonary Vein Isolation Alone. Biomarkers. May 2023. (abstract)
4. Toomu A, et al. Clinical Impact of Forward-Solution ECG Mapping on Procedure Duration and Fluoroscopy Use During Catheter Ablation Procedures. JACC (suppl). April 2023. (abstract)

CAUTION: Federal law restricts this device to sale by or on the order of a physician.

For additional information, refer to vMap® Instructions for Use at <https://www.vektormedical.com/ifu>.

Please read all documentation prior to using the vMap® System and use in accordance with documentation.

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