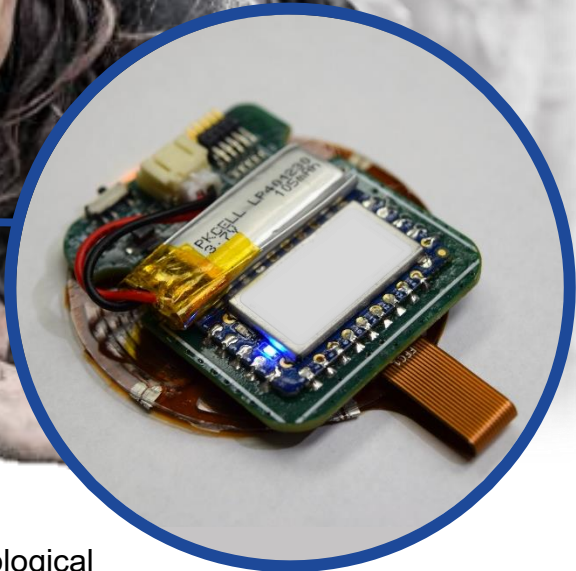


# Introducing CRG's Sweat Collection and Sensing Patch

This flexible and unobtrusive biosensing patch provides chronological sweat collection and storage with real-time sweat rate analysis and an incorporated biosensor platform customizable to mission needs. The design eliminates cross-contamination between samples and enables easy sample recovery for post analysis. CRG's design for sweat collection, analysis, and storage have been combined into a compact 2" diameter and 0.125" thick form factor.



## Empowers Greater Insight of Operator Health and Performance

Microfluidic sweat collection patch allows for high resolution sensing and chronological sweat collection as well as storage for post analysis



### Chronological Sweat Collection

Chronological collection and storage of sweat with isolation to valves minimize cross contamination



### Real-Time Feedback

Continuous, flexible sensors provide real-time, high-resolution analysis of sweat rate and output



### Easy Sweat Extraction

Simple extraction of sweat for post analysis with minimal introduction of contaminants



### User-Friendly Data

Mobile app UI with Bluetooth connection records and displays real-time sweat rate for 5+ hours



### Low Cost Materials

Small, flexible form factor made from single use, disposable materials offer an economically friendly solution



### Customizable Training

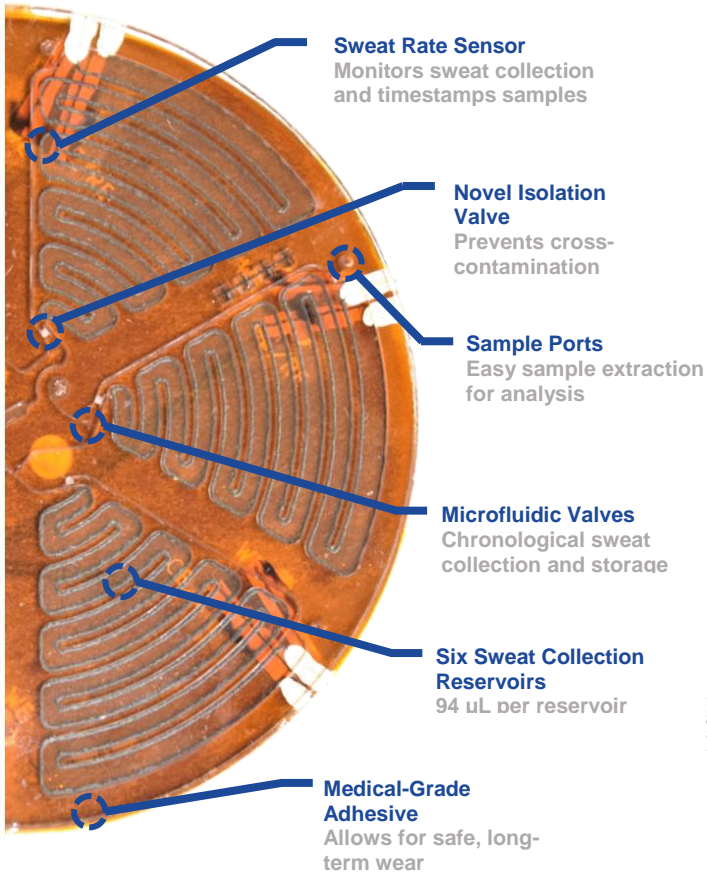
Real-time sweat rate data to tailor workouts and hydration levels for individualized use

Distribution A: Approved for public release

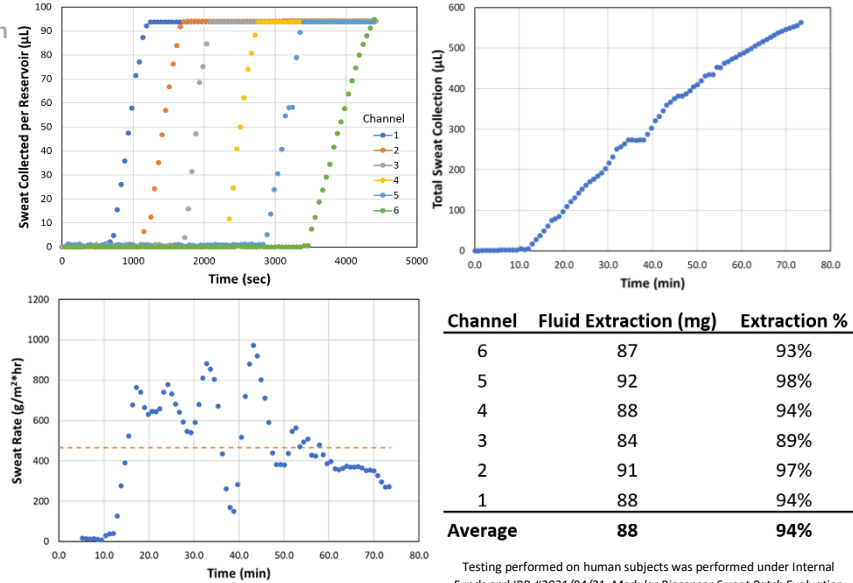
This material is based upon work supported by the U.S. Army Medical Research Development Command (USAMRDC)/Military Operational Medicine Research Program (MOMRP) under Contract No. W81XWH-19-C-0110. Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the USAMRDC/MOMRP or U.S. Army Medical Research Acquisition Activity (USAMRAA).

# Enable Real-Time Stress Analysis

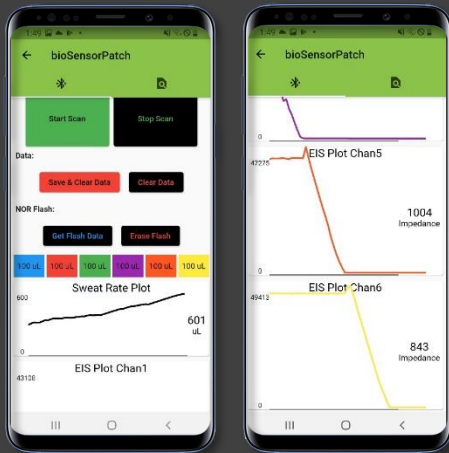
via customizable and continuous sweat rate and biosensor data collection



## Real Sweat Data Collection Test



## Sweat Collection and Sensing Patch Status:



Technology Readiness Level:  1  2  3  4  5  6  7  8  9

Manufacturing Readiness Level:  1  2  3  4  5  6  7  8  9  10

CRG In-House Manufacturing Capacity: 100-1000s of patches

Interested in learning more about CRG's technology?  
Contact us at [sales@crgrp.com](mailto:sales@crgrp.com)



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