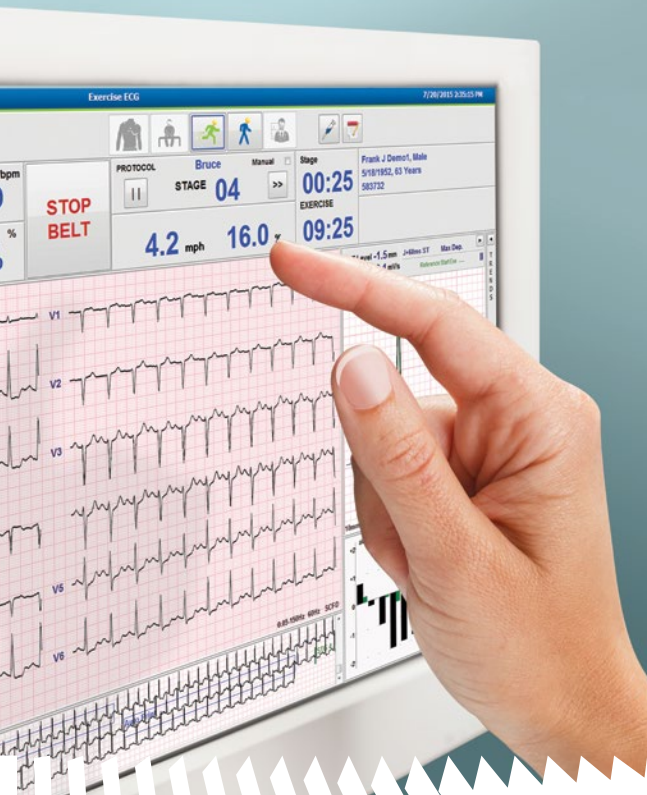




## REDUCE NOISE AND BASELINE WAVEFORM ARTIFACT

### Q-Stress® System Source Consistency Filter

Our patented Source Consistency Filter (SCF) is an exclusive feature to Hillrom's Q-Stress Cardiac Stress Testing device providing noise reduction without signal degradation common in other filtering methods. This standard feature on our models distinguishes between noise and the actual signal in each of the 12 leads. This filtering reduces muscle tremor noise, low-frequency and high-frequency noise, and baseline artifact while preserving diagnostic-quality waveforms.

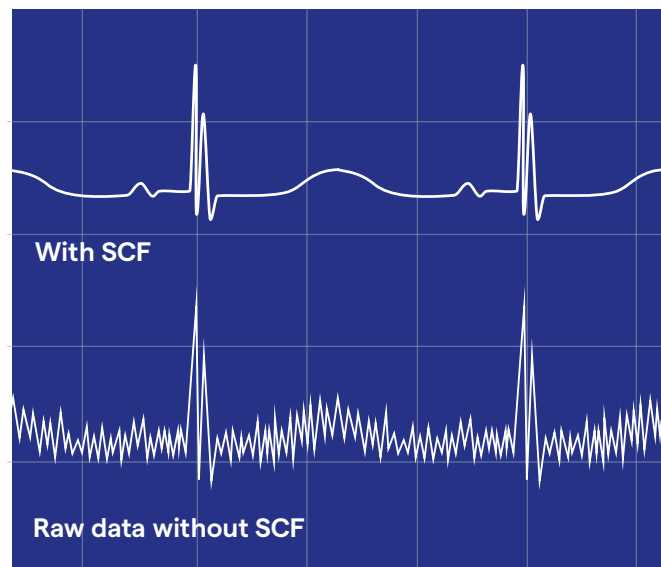


### How it Works:

The SCF first quantifies the relationship among the leads to calculate the location of the ECG's source: the patient's heart.

The filter then uses that information to remove signals that do not follow the same relationship and are coming from other sources such as muscle or electrode movement.

The SCF can then restore in all its detail an underlying signal that was obscured by noise and does so without affecting the ECG itself.



For additional support, contact Hillrom customer service.

[hillrom.com](https://www.hillrom.com)

Scientific Study: <https://www.sciencedirect.com/science/article/abs/pii/S0022073692901026>.

Hillrom reserves the right to make changes without notice in design, specifications and models. The only warranty Hillrom makes is the express written warranty extended on the sale or rental of its products.

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