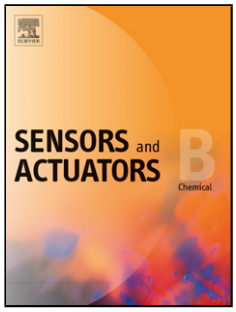

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PII: S0925-4005(18)30393-9
DOI: https://doi.org/10.1016/j.snb.2018.02.115
Reference: SNB 24210

To appear in: *Sensors and Actuators B*

Received date: 30-11-2017
Revised date: 18-1-2018
Accepted date: 14-2-2018

Please cite this article as: Jeonghun Nam, Hyunjoo Choi, Jae Young Kim, Woongsik Jang, Chae Seung Lim, Lamb wave-based blood coagulation test, Sensors and Actuators B: Chemical https://doi.org/10.1016/j.snb.2018.02.115

Lamb Wave-Based Blood Coagulation Test

Jeonghun Nam[a,b,*,†], Hyunjoo Choi[a,†], Jae Young Kim[c], Woongsik Jang[a,b], and Chae Seung Lim[a,*]

[a] Department of Laboratory Medicine, College of Medicine, Korea University Guro Hospital, Korea University, Seoul, Korea

[b] Department of Emergency Medicine, College of Medicine, Korea University Guro Hospital, Korea University, Seoul, Korea

[c] Research Institute for Skin Image, Department of Medicine, Korea University Medical School, Seoul, Korea

[†] These authors contributed equally to this work.

* Corresponding author:

Jeonghun Nam, PhD

jhnam77@gmail.com;

Chae Seung Lim, MD PhD

malarim@korea.ac.kr;

Highlights

- Using a Lamb wave device, acoustic streaming of fluorescent particles suspended in citrated plasma is induced in a droplet.
- The viscosity of the sample droplet increases due to blood coagulation, so that the ac oustic streaming velocity increases and finally, the acoustic streaming of particles sto ps at the “coagulation time (CT)”.
- With increasing calcium concentration, CT decreases drastically due to improved blo od coagulation.