

Supplementary file 1

Rapid, Multi-Sample Assay of Gabapentin in Capsules Using Easy-to-Setup and Low-Cost Smartphone-Based Fluorescence Measurement

Table S1: Relationship of concentration of gabapentin (C) and various functions of R, G, B

x	y	Regression equation	r ²
C	R	$y = 14.574x + 14.118$	0.8851
C	G	$y = 30.814x + 40.449$	0.8807
C	B	$y = 19.729x + 152.365$	0.8331
C	ln R	$y = 0.496x + 2.527$	0.6170
C	ln G	$y = 0.400x + 3.657$	0.6700
C	ln B	$y = 0.108x + 5.027$	0.7796
C	R/(R+G+B)	$y = 0.091x + 0.088$	0.8851
C	G/(R+G+B)	$y = 0.192x + 0.252$	0.8807
C	B/(R+G+B)	$y = 0.123x + 0.951$	0.8331
ln C	R	$y = 20.582x + 37.966$	0.9994
ln C	G	$y = 43.628x + 90.866$	0.9994
ln C	B	$y = 28.61x + 184.615$	0.9918
ln C	R/(R+G+B)	$y = 0.128x + 0.237$	0.9994
ln C	G/(R+G+B)	$y = 0.272x + 0.567$	0.9994
ln C	B/(R+G+B)	$y = 0.179x + 1.152$	0.9918