Electronic Supplementary Material (ESI) for RSC Advances.


# Electronic Supplementary Information for

## Excitation-emission fluorescence spectroscopy for cells viability testing in UV-treated cell culture

Klaudia Głowacz, Sandra Skorupska, Ilona Grabowska-Jadach, Patrycja Ciosek-Skibińska*

Chair of Medical Biotechnology, Faculty of Chemistry, Warsaw University of Technology, Noakowskiego 3, 00-664 Warsaw, Poland

*Correspondence: pciosek@ch.pw.edu.pl

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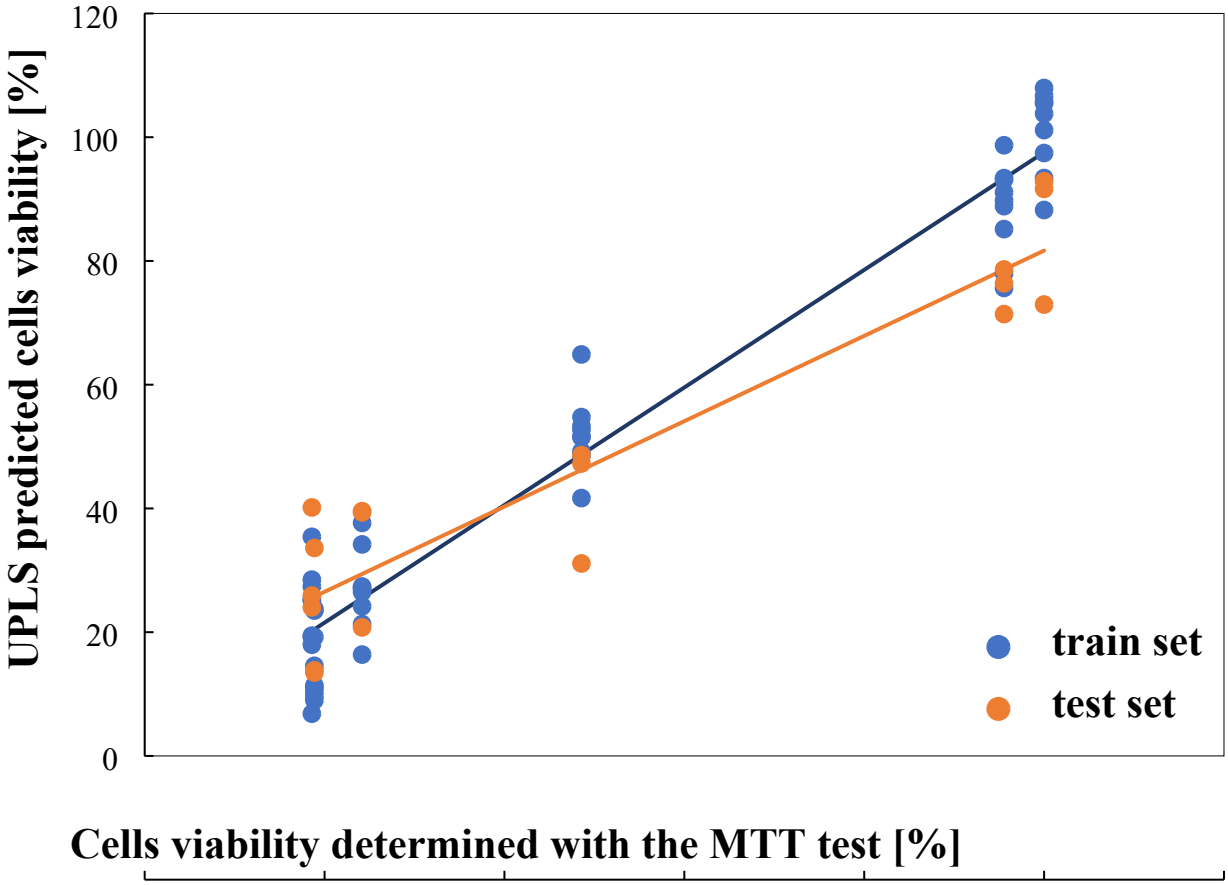


**Fig S. 1.** UPLS model performance shown as linear fit of the predicted cells viability vs. cells viability determined with the MTT test.

**Table S. 1.** Parameters of linear fit of UPLS-predicted cells viability and results of MTT test.

| | train set | test set |
|---|---|---|
| **a** | 0.950 | 0.689 |
| **b** | 2.535 | 12.737 |
| **$R^2$** | 0.950 | 0.877 |

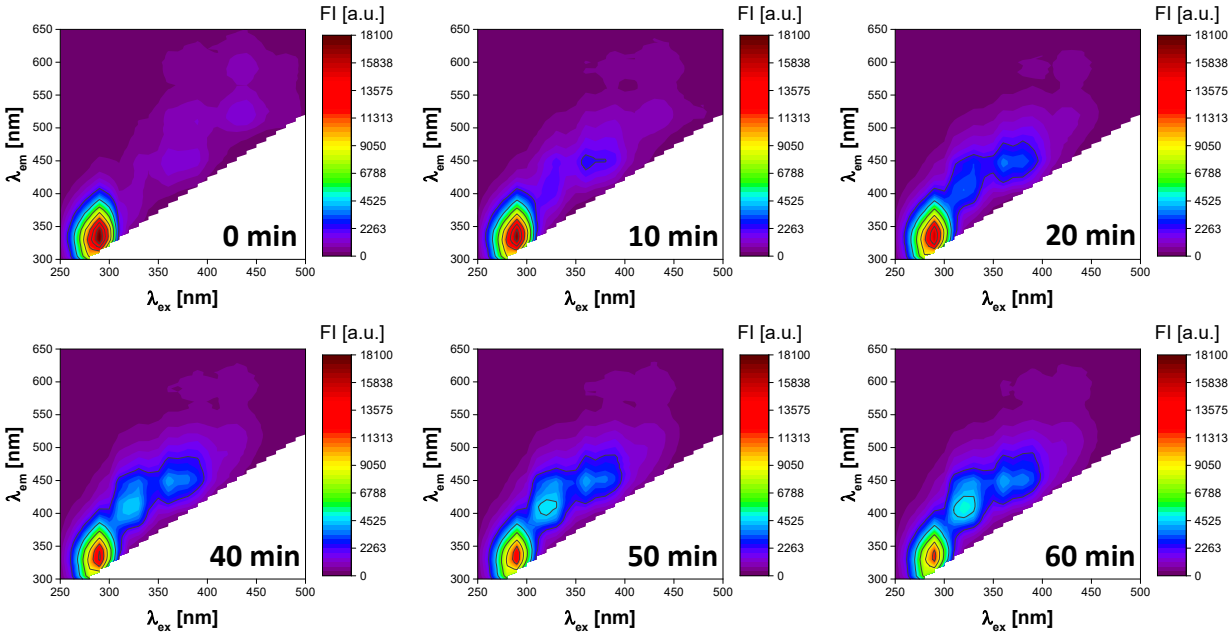


**Fig S. 2.** The influence of UV radiation of different time duration (0, 10, 20, 40, 50, 60 min) on excitation-emission matrix (EEM) of cell culture medium.