## Supplementary Information (SI) for RSC Advances. This journal is © The Royal Society of Chemistry 2025

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ESI for Towards Multiwell Plate Based...

Overview of plate reader data:

Folder name	Contents
Batch I	Measurements of three pH sensor plates,
	made using parameters described in batch I
	(.csv-format).
Batch II	Measurements of three pH sensor plates,
	made using parameters described in batch II
	(.csv-format).
Batch III	Measurements of three pH sensor plates,
	made using parameters described in batch III
	(.csv-format).
Batch IV	Measurements of three pH sensor plates,
	made using parameters described in batch IV
	(.csv-format).
Batch V	Measurements of three pH sensor plates,
	made using parameters described in batch V
	(.csv-format).
Batch VI	Measurements of three pH sensor plates,
	made using parameters described in batch VI
	(.csv-format).
Batch VII	Measurements of three pH sensor plates,
	made using parameters described in batch VII
	(.csv-format).
Batch VIII	Single plate reader measurement of pH sensor
	test on Good's buffers. Plate made using
	parameters described in batch VIII (.csv-
	format).