Electronic Supplementary Material (ESI) for Lab on a Chip. This journal is © The Royal Society of Chemistry 2023

Procedural Step	Gold-Standard (min)	On-Disc (min)
Initial Denaturation	8	1
Sulphonation & Deamination	60	45
Desulphonation	20	20
Ethanol Evaporation	20	1
DNA Elution	4	4
Total time (min)	112	71