

Identifying the Grade of Bladder Cancer Cells by Microfluidic chip based-on impedance

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The clinical and pathological information of six patients were shown in **Table S1**:

Table S1. Clinical and pathological features of patients for impedance spectroscopy analysis

Patient	Age (years)	Gender	Surgery	Stage	Grade	bladder cancer history
1	46	Female	TURBT	Ta	Low	Primary
2	80	Male	TURBT	T1	High	Recurrence
3	73	Male	TURBT	Ta	Low	Recurrence
4	80	Male	TURBT	T1	High	Primary
5	57	Male	TURBT	Ta	High	Primary
6	66	Male	TURBT	Ta	Low	Primary

TURBT=transurethral resection of bladder tumor

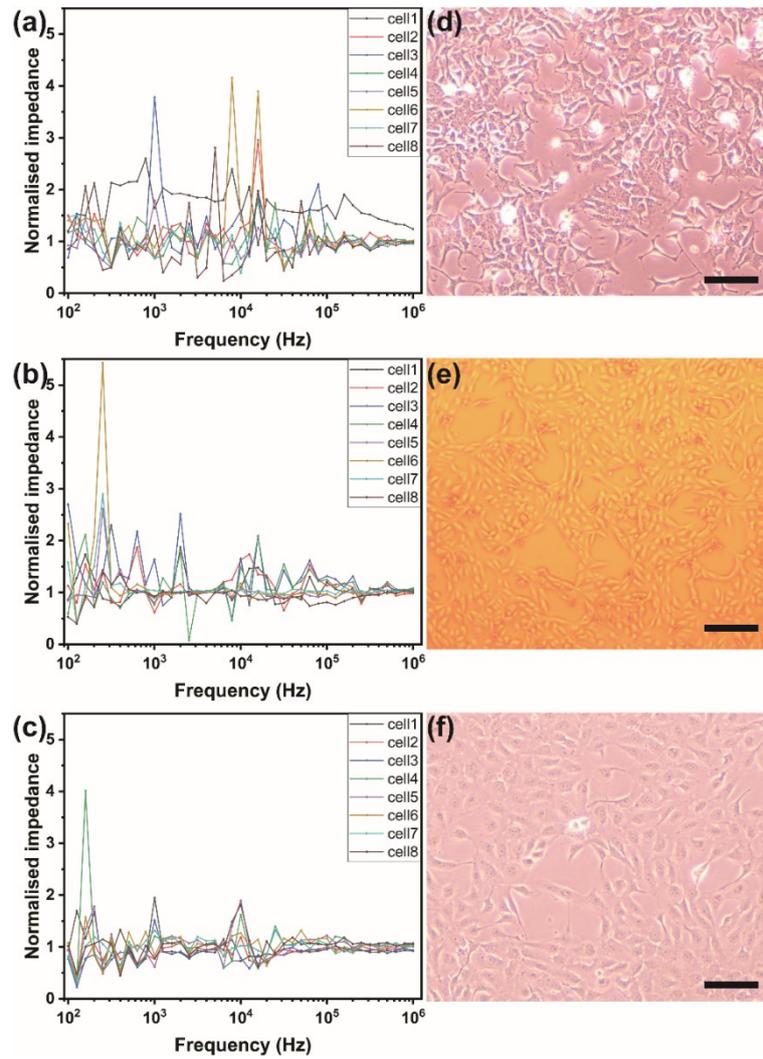


Figure S1. Cell impedance spectrum of (a) SV-HUC, (b) BIU-87, (c) 5637; and their corresponding morphology of (d) SV-HUC, (e) BIU-87, (f) 5637. The scale bars are 50 μm .