

Supporting Information

Detection of Odorant Molecules in the Gaseous Phase Using α -, β -, and γ -Cyclodextrin Films on a Quartz Crystal Microbalance

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Table S1. Amount of ethyl butyrate captured on each cyclodextrin (CD) film when it was used more than 47 times. ^{*1}

| | $-\Delta F$ (Hz) ^{*2} | | |
|--------------------|--------------------------------|---------------------------|----------------------------|
| | α -CD ^{*3} | β -CD ^{*3} | γ -CD ^{*3} |
| Run 8 | 20 | 89 | 51 |
| Run 38 | 18 | 97 | 37 |
| Run 47 | 19 | 91 | 35 |
| Average | 19 | 92 | 41 |
| Standard deviation | ± 1 | ± 4 | ± 9 |

^{*1} The CD films were used for more than one month.

^{*2} The odorant-molecule concentration was 0.13 mmol L⁻¹.

^{*3} The same CD films listed in Table 1 were used.

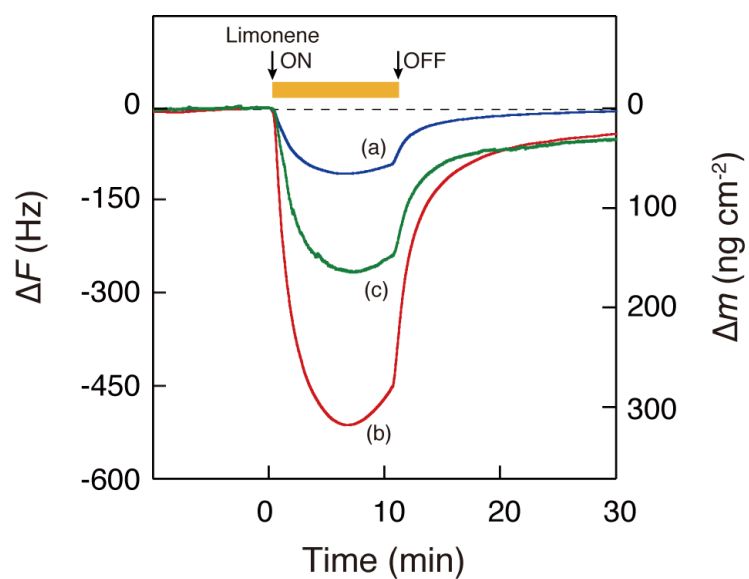


Figure S1. Time courses of the frequency change (ΔF) for QCM plates modified with (a) α -, (b) β -, and (c) γ -CD films in response to a flow of 0.66 mmol L⁻¹ vaporized limonene in dry air at a flow rate of 0.1 L min⁻¹ for 10 min, indicated by the orange bar at 25 °C.