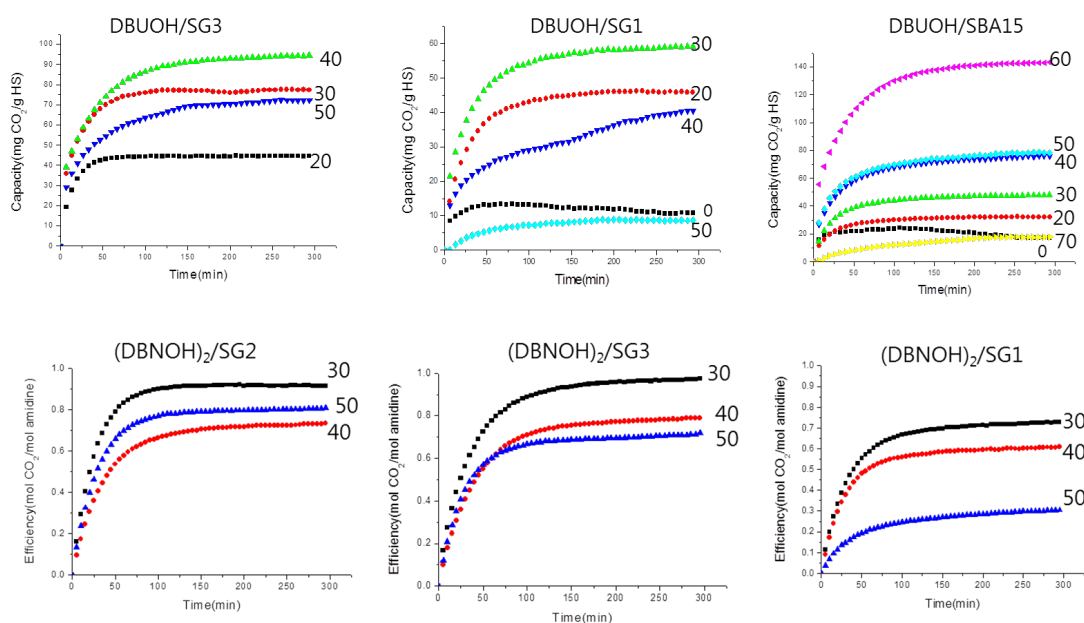


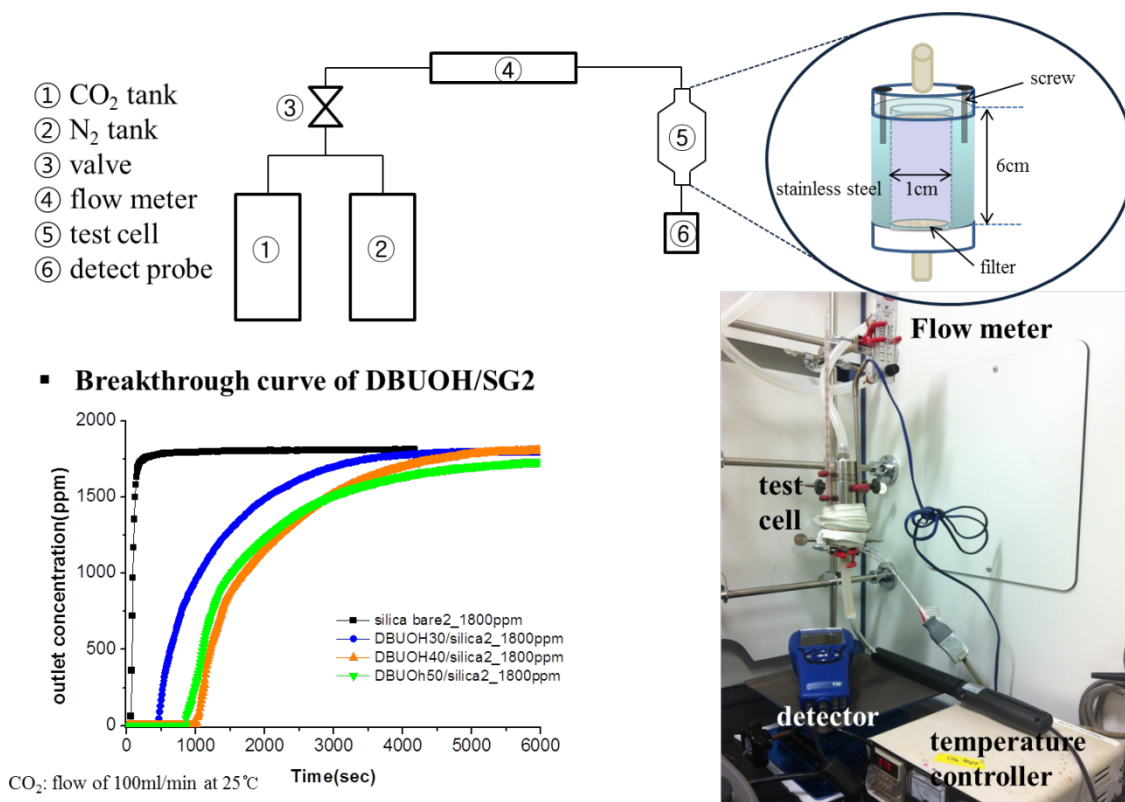
## Supplementary Information

# Carbon Dioxide Absorption by Hydroxyalkyl Amidines Impregnated into Mesoporous Silica: The Effect of Pore Morphology and Absorbent Loading

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**Fig. 1S.** Isothermal TGA curves of DBUOH in SG3, SG1, and SBA15, respectively, and (DBNOH)<sub>2</sub> in SG2, SG3, and SG1, respectively, measured at 25°C under CO<sub>2</sub> flow of 20 mL/min. The number next to each curve is the amount of HAM in wt %.



**Fig. 2S.** A breakthrough test kit with DBUOH/SG2 and breakthrough curves obtained by flowing a mixed gas with 1800 ppm CO<sub>2</sub> in N<sub>2</sub>.