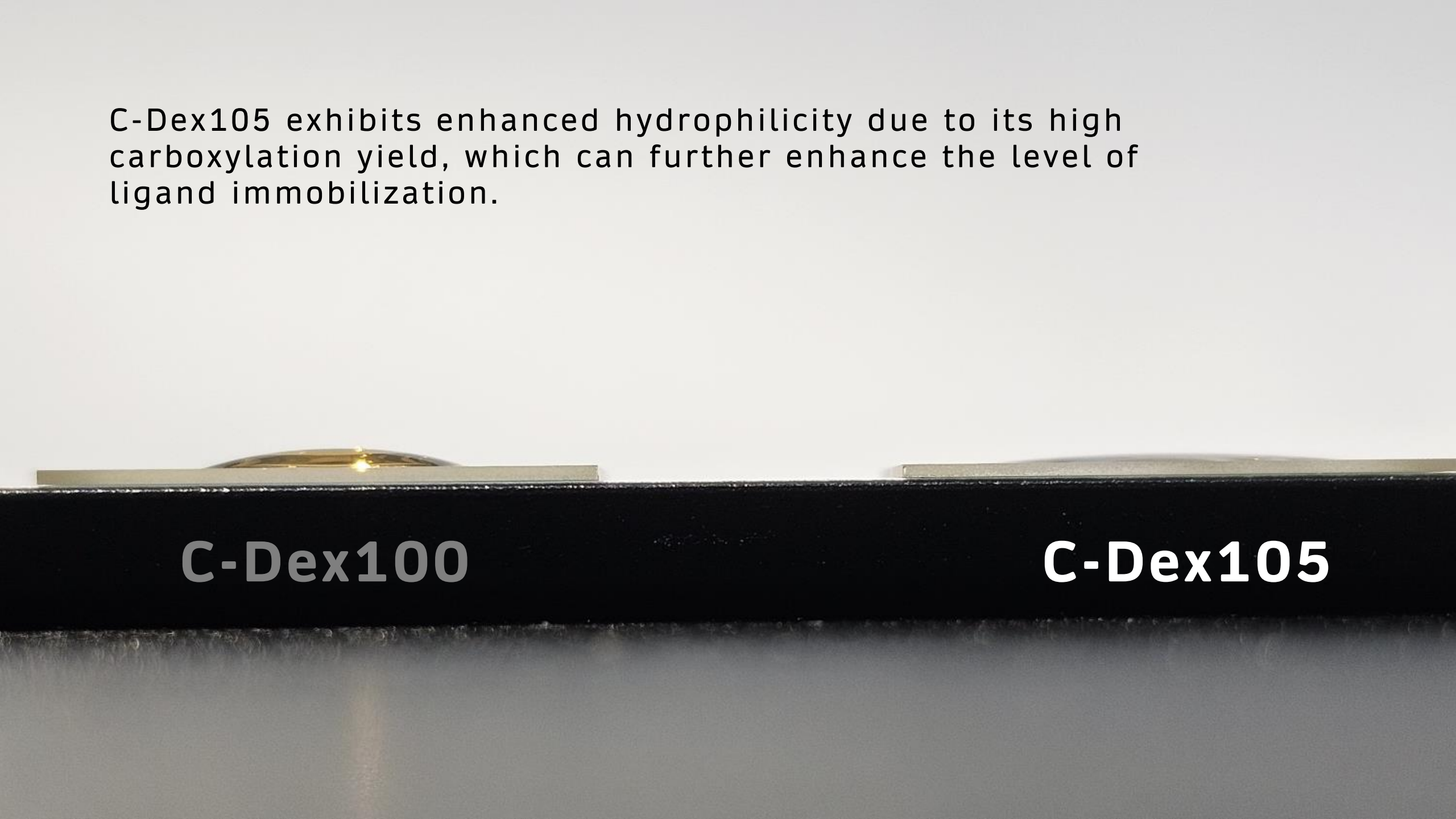


C-Dex105

Better assay, Better idea

icluebio

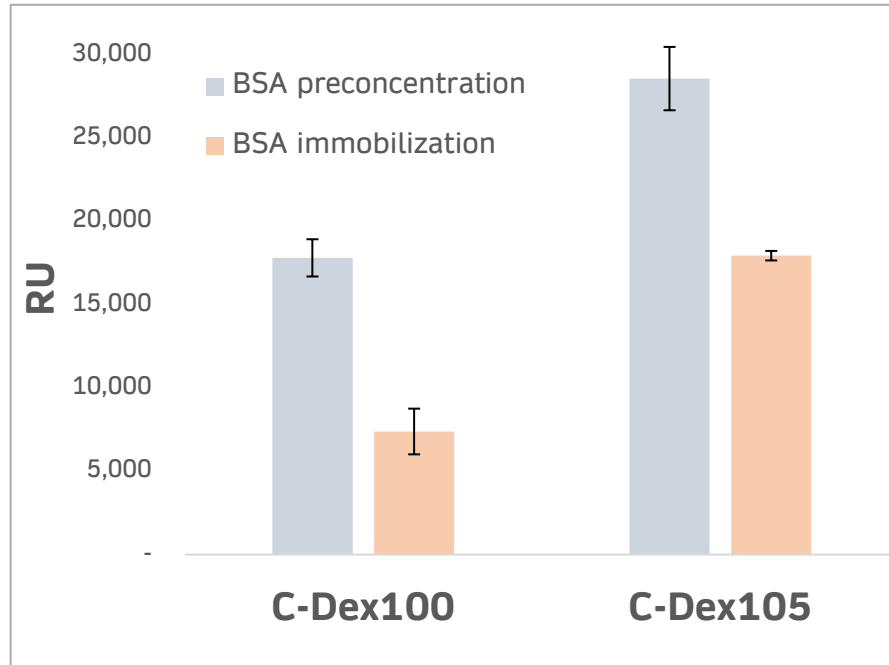
C-Dex105 exhibits enhanced hydrophilicity due to its high carboxylation yield, which can further enhance the level of ligand immobilization.



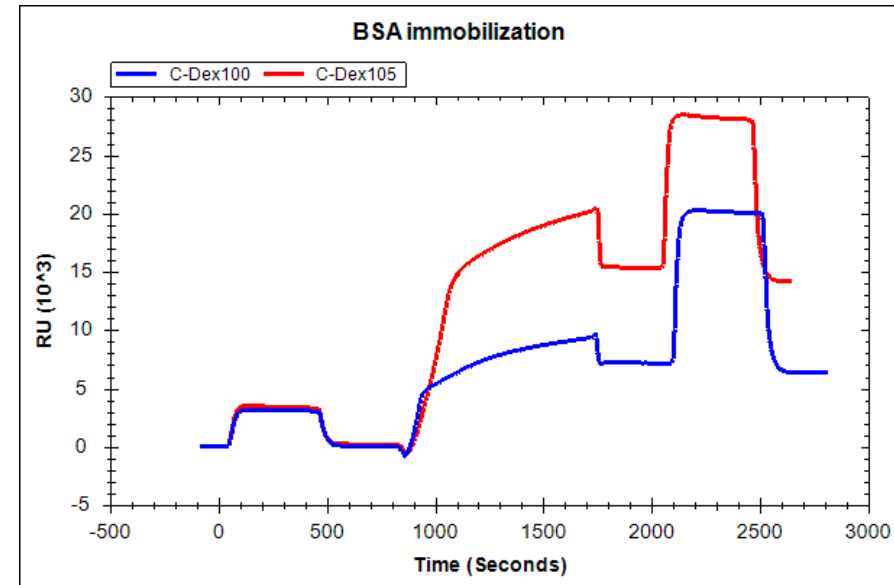
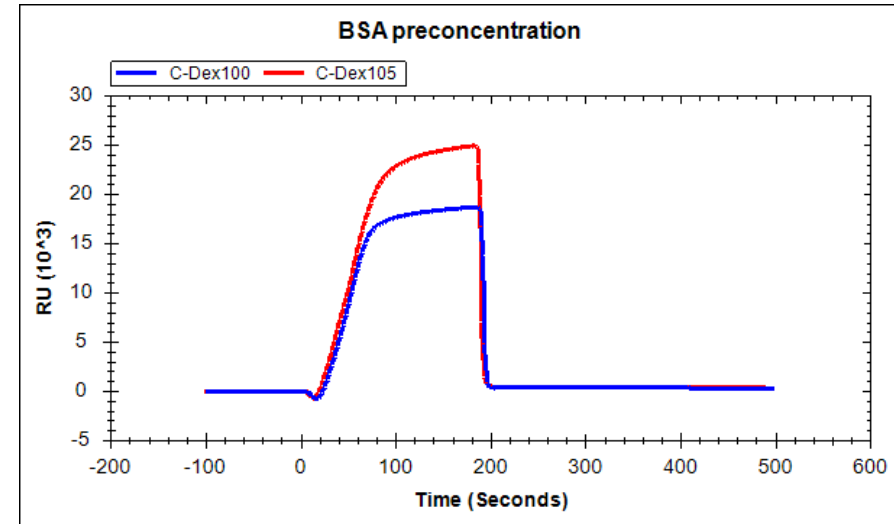
C-Dex100

C-Dex105

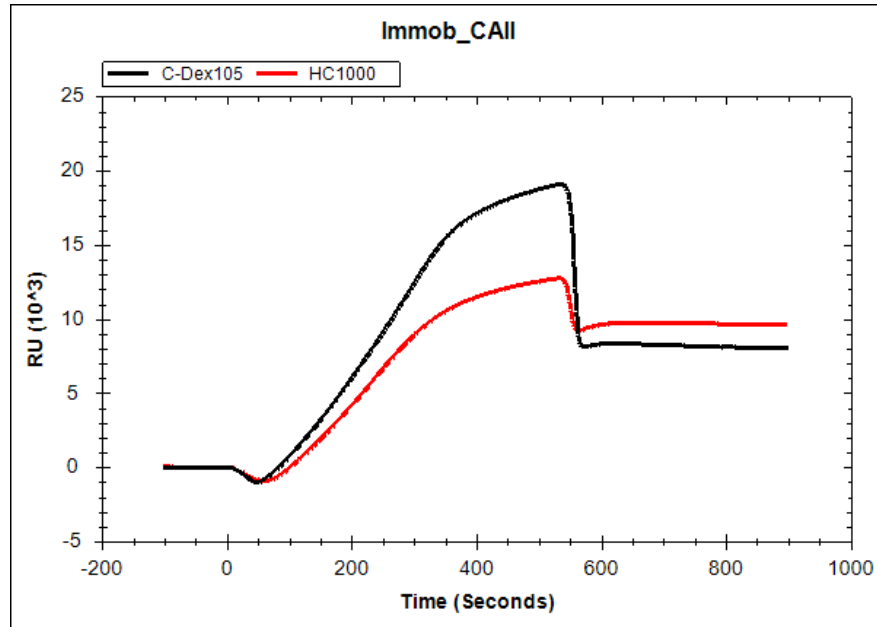
Comparison of immobilization level vs. C-Dex100



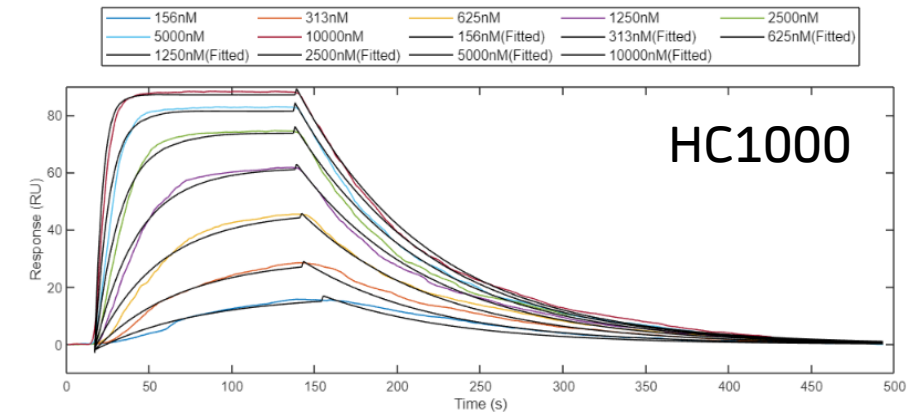
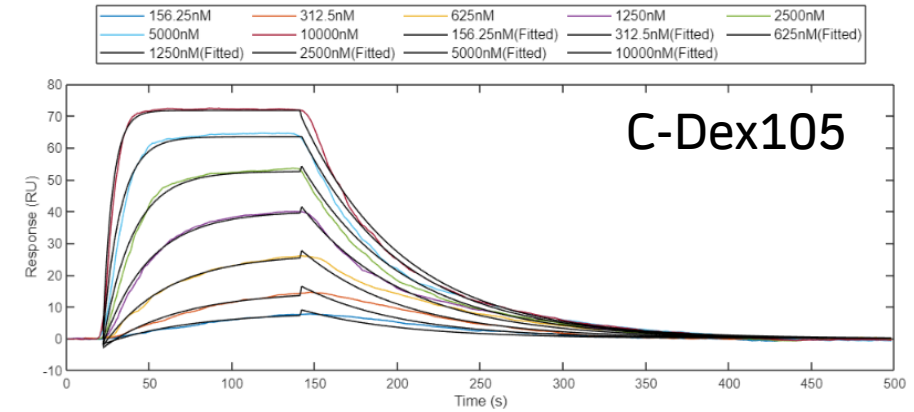
Comparative testing of C-Dex100 and 105 using 100 ug/ml bovine serum albumin (BSA) and the Pro2X system showed that the immobilization level of C-Dex105 was more than **twice** that of 100.



Comparison of small molecule test vs. HC1000



C-Dex105 and HC1000 were compared in binding tests with CAII protein and the small molecule Furosemide. C-Dex105 exhibited similar immobilization levels and kinetic values to HC1000.



	Immobil. Level	K_{on} (M ⁻¹ s ⁻¹)	K_{off} (s ⁻¹)	K_D (M)	χ^2/R_{max} (%)
C-Dex105	8050	1.58×10^4	1.62×10^{-2}	1.03×10^{-6}	2.4
HC1000	8920	2.03×10^4	1.24×10^{-2}	0.61×10^{-6}	3.5