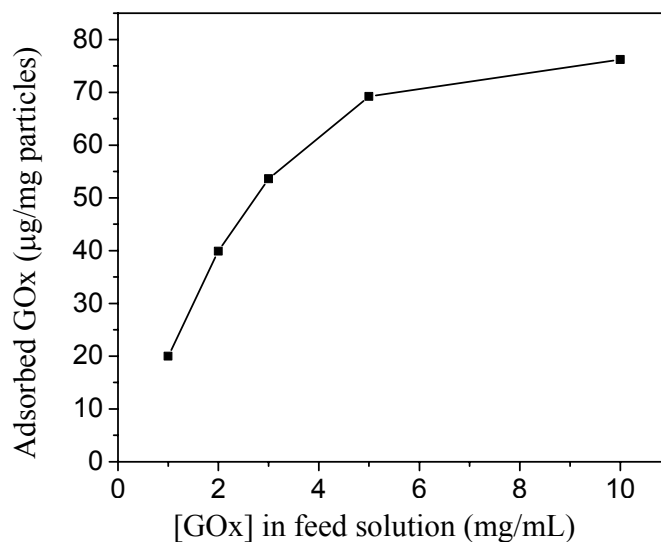


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GOx adsorption by CaCO_3 microparticle templates. Protein adsorption was quantified by decrease in absorbance at 280 nm using a Jasco V-430 spectrophotometer (Japan). GOx-loaded microparticles were separated from the GOx adsorption solution by centrifugation. The maximum amount of GOx loaded was about 76 $\mu\text{g}/\text{mg}$ particles. This translates into approximately 9.4×10^{-12} g of enzyme per particle, assuming a capsule volume = 4.6×10^{-11} cm^3 . Not all initially adsorbed GOx was present in capsules, however, as multiple washing steps, sequential adsorption of polypeptide, and dissolution of the core resulted in some loss of enzyme to solution.