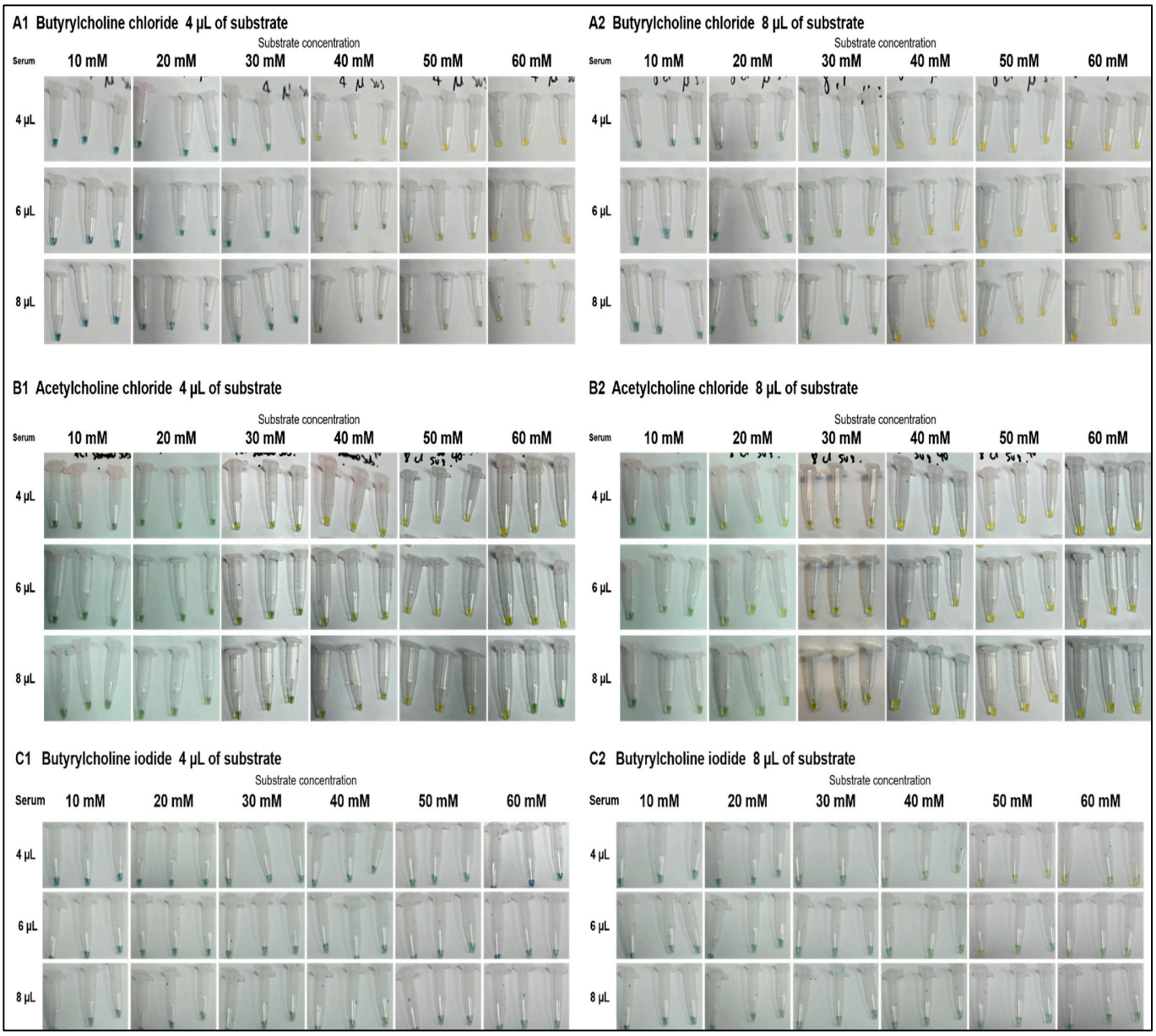
Figure S1. Complete photographic record of the initial liquid-phase evaluation of cholinergic substrates.



Butyrylcholine chloride (A1-A2), acetylcholine chloride (B1-B2), and butyrylcholine iodide (C1-C2) were evaluated at concentrations of 10-60 mM using commercial human serum (Merck). Serum volumes of 4, 6, and 8 µL were combined with either 4 µL (A1, B1, and C1) or 8 µL (A2, B2, and C2) of substrate. Reaction mixtures containing bromothymol blue were incubated at 20 °C for 20 min before photography. Rows correspond to serum volumes, and columns correspond to substrate concentrations. Three technical replicates are shown for each condition.