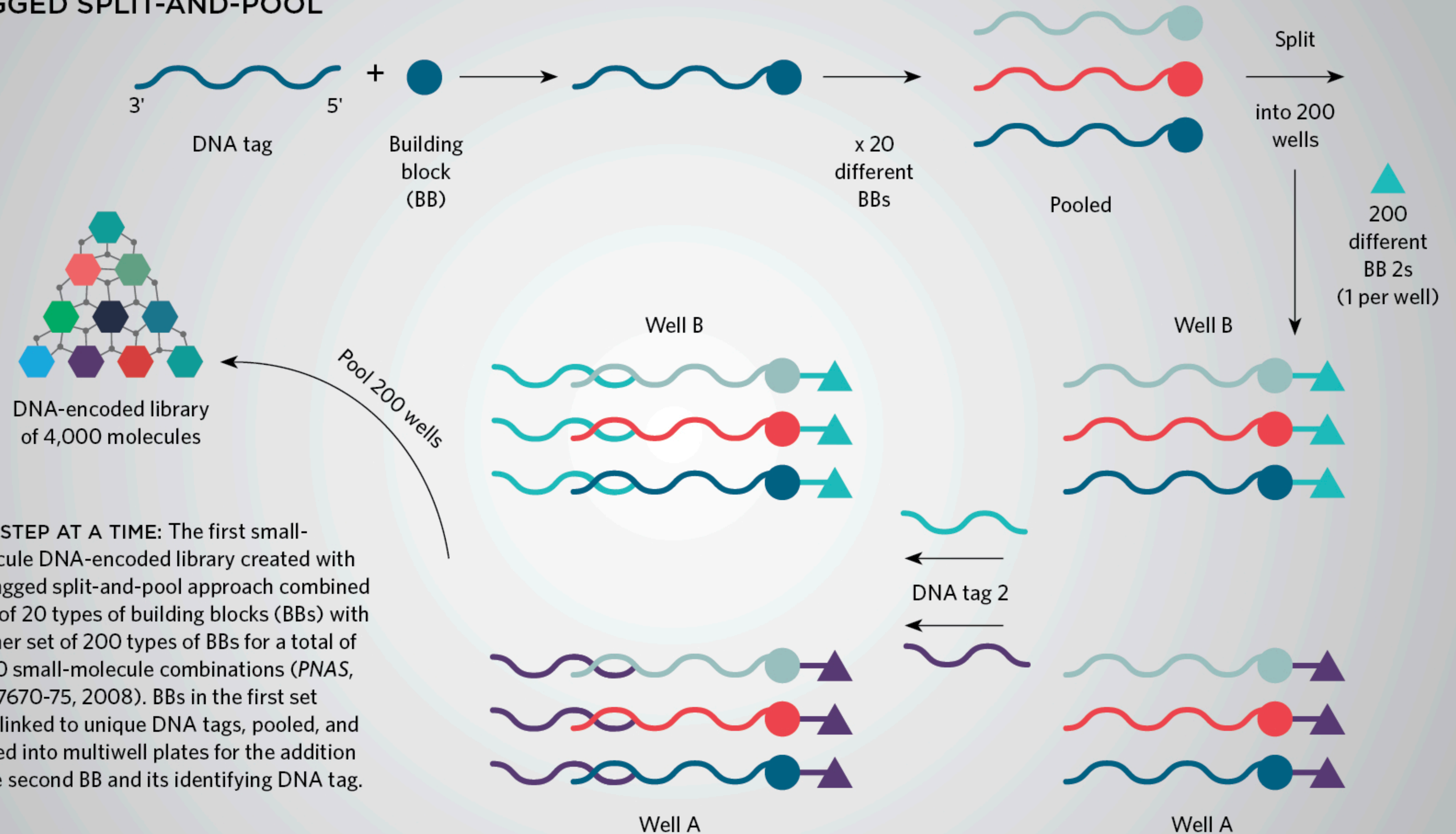


TAGGED SPLIT-AND-POOL



ONE STEP AT A TIME: The first small-molecule DNA-encoded library created with the tagged split-and-pool approach combined a set of 20 types of building blocks (BBs) with another set of 200 types of BBs for a total of 4,000 small-molecule combinations (*PNAS*, 105:17670-75, 2008). BBs in the first set were linked to unique DNA tags, pooled, and divided into multiwell plates for the addition of the second BB and its identifying DNA tag.