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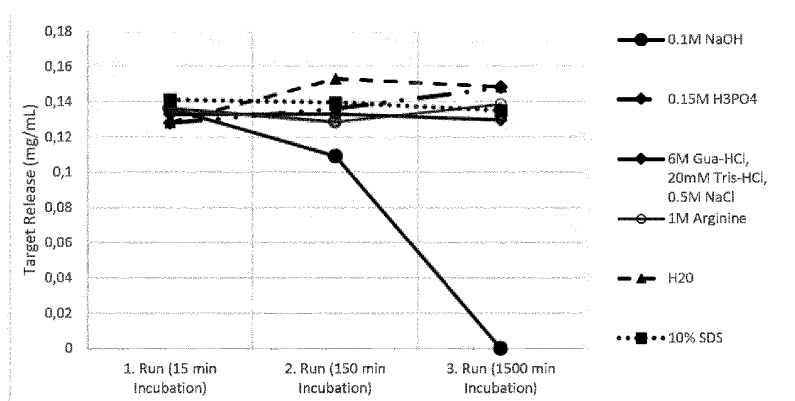
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(54) Title: REUSE OF INTEIN-BOUND RESINS FOR PROTEIN PURIFICATION

FIGURE 15



(57) Abstract: The present disclosure relates to methods of protein purification by attaching an intein-C fragment to a target protein, passing a sample containing the intein-C tagged protein over a chromatographic resin carrying an intein-N fragment so as to create an intein-N intein- C complex, releasing the target protein from the intein-C fragment, and regenerating the column under conditions that disrupt the intein-N intein-C complex while preserving column functionality for multiple reuses.