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(54) Title: METHODS OF DETECTING DNA, RNA AND PROTEIN IN BIOLOGICAL SAMPLES

(57) Abstract: Novel methods of probing multiple targets in a biological sample are provide whereby the targets are DNA, RNA and protein. The method comprises subjecting the sample to an in situ hybridization reaction using a labeled nucleic acid probe that binds an RNA target, observing a signal, and optionally removing the signal. The method further comprises an antigen retrieval protocol, observing a signal, removing the signal, and optionally applying a protease treatment to access the sample's DNA targets by subjecting the sample to an in situ hybridization reaction using a labeled nucleic acid probe, observing a signal from the labeled DNA targets, and optionally removing the signal.

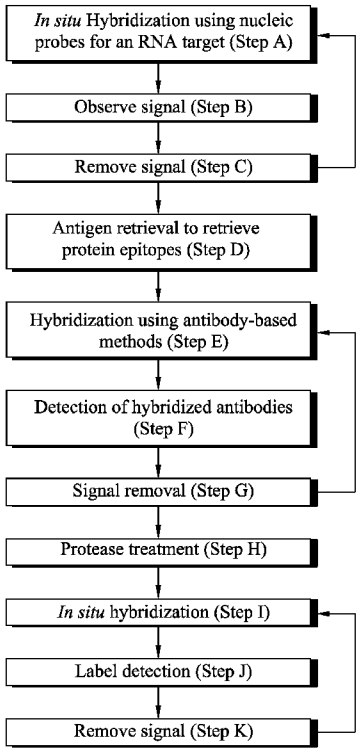


Fig. 1

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