Office of Technology Management

METHOD TO DETERMINE THE AMOUNT OF DNA CONTAMINATION IN AN RNA EXTRACTION

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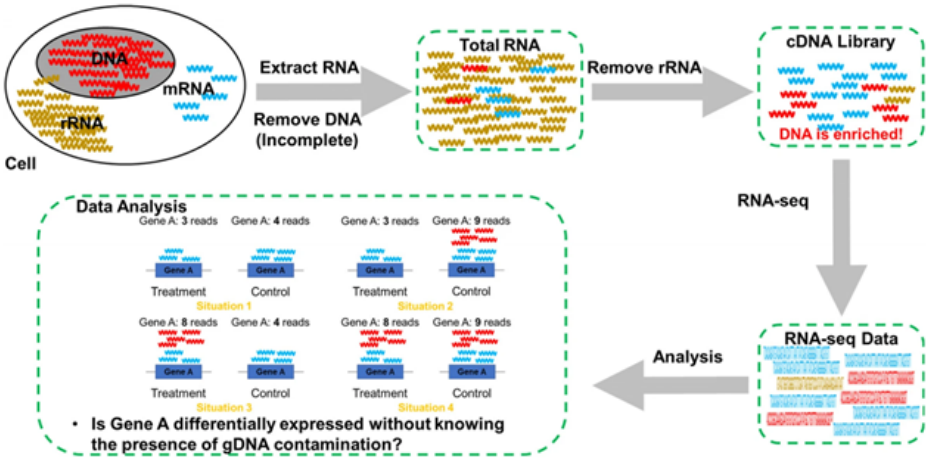
Value Proposition: *Process that can be used to quantify the amount of DNA contamination in an RNA isolation tube.*

Technology Description

Researchers at Washington University in St. Louis have developed a method to determine the amount of DNA contamination in an RNA extraction. RNA expression signatures are essential for understanding the molecular mechanisms underlying many biological processes and diseases. It is isolated from many sample types including tissue and biofluid. This method utilizes specific primers, a DNA template and an algorithm to quantify the amount of DNA contamination in an RNA isolation tube prior to downstream analyses of the extracted RNA.



Stage of Research

Fully developed process

Applications

- Process for quantifying DNA contamination when isolating RNA

Key Advantages

- Detects exact amount of DNA contamination in isolated RNA sample

Related Web Links – Carlos Cruchaga Profile; Cruchaga Lab