



Repetitive Sequence-Free DNA Libraries

This technology is a method of creating a repetitive sequence-free DNA library comprising the steps of providing a DNA library, providing an amplification mixture from the DNA library, and adding a repetitive sequence fraction DNA to the amplification mixture to produce the repetitive sequence-free DNA library. The invention also provides a method of creating a whole chromosome painting probe comprising the steps of providing a DNA library, providing an amplification mixture from the DNA library, adding a repetitive sequence fraction DNA to the amplification mixture to produce the repetitive sequence-free DNA library, and labeling the repetitive sequence-free DNA library to produce the whole chromosome painting probe. The invention also provides a method of in-situ hybridization comprising the steps of providing a DNA library, providing an amplification mixture from the DNA library, adding a repetitive sequence fraction DNA to the amplification mixture to produce the repetitive sequence-free DNA library, labeling the repetitive sequence-free DNA library to produce the whole chromosome painting probe, and using the painting probe in in-situ hybridization.

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Patent Information

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Features and Benefits

This invention provides a simple method for producing significant volumes of chromosome-specific painting probes

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