



Whole Genome Amplification

By Thomas Kroneis

Springer-Verlag Gmbh Sep 2015, 2015. Buch. Book Condition: Neu. 25.4x17.8x cm. Neuware - This volume mirrors the holistic feature of whole genome amplification (WGA) technology by combining reviews, detailed basic methods and advanced sample workflows. The first part of the book covers an overview of the development of WGA techniques throughout recent years including general considerations on bias in WGA, possible sample pre-enrichment strategies and how to run a single-cell lab. The second part focuses on major WGA methods and protocols that allow the assessment of WGA product quality. The final chapters contain advanced protocols and address issues such as sample preparation using laser-micro dissection; WGA from partially degraded DNA (formalin-fixed paraffin embedded samples); circulating tumor cells; and ancient samples. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols and tips on troubleshooting and avoiding known pitfalls. Authoritative and thorough, Whole Genome Amplification: Methods and Protocols will serve as a rich source of detailed information and inspiration and will help researchers, both new and experienced, yield successful results. 284 pp. Englisch.



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