



## **Roche NGS Sample Prep Solutions: Unlock the Potential of Every Sample**

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Over the past two years, Roche Sequencing Solutions has made numerous investments in technologies that span all three stages of the next-generation sequencing (NGS) workflow, namely sample preparation, sequencing and medical content/reporting. Our long-term goal is the development of end-to-end assays for routine clinical use, in oncology, human genetics, woman's health and infectious disease. In this process, we have adopted a highly-integrated approach to NGS sample prep, for two reasons. Firstly, every sample has an intrinsic value, which we have an obligation to preserve as far as possible through all of the handling steps required to convert samples into sequencing-ready libraries. Secondly, the NGS workflow is a continuum, in which the outcome of each step impacts ultimate data quality.

In this presentation, we will introduce the Roche NGS Sample Prep portfolio, highlighting currently available solutions for sample collection, sample enrichment, nucleic acid extraction, sample quantification and QC, library preparation, target enrichment and library quantification. In addition, we will highlight complete workflow solutions, and share data for a number of applications, including whole-genome sequencing, targeted sequencing and RNA-seq from both high-quality and challenging samples.



Dr. Maryke Appel is a Senior International Product Manager in the Sample Prep Reagents business team, responsible for Library Preparation and the legacy KAPA NGS and HiFi product portfolio. Prior to Roche's acquisition of Kapa Biosystems in 2015, Maryke was the Technical Director at Kapa. She hails from South Africa, where she joined Kapa as the first employee in 2006, and held positions in R&D and Operations. She transferred to Kapa's US office in 2010, where she formed part of the Commercial Leadership Team, playing key roles in Scientific and Sales Support and strategic Marketing. Maryke holds a Ph. D. in Biochemistry from the University of Stellenbosch in South Africa.