

## **Maxwell® Genomic DNA Kit: A broad sample type genomic DNA extraction kit**

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With respect to nucleic acid extraction, a major challenge for laboratories is the need to identify and purchase several purification kits for the variety of different sample types that need to be processed. Here we report on a genomic DNA extraction kit that can accommodate the processing of a variety of sample types. The RUO Maxwell® RSC Genomic DNA (Cat.# AS1880) and the IVD Maxwell® CSC Genomic DNA (Cat.# AS1850) Kits allow for the extraction of genomic DNA from a range of input amounts for whole blood, buffy coat, bone marrow, buccal swabs, tissue culture cells, cells isolated from a variety of biological fluids, and tissues. All components for pre-processing the majority of these samples are included in the kit (spin baskets are an optional purchase for buccal swab samples) and all sample types use similar pre-processing protocols. The kits demonstrate excellent linearity in extraction performance across the input range for all sample types. In addition, all samples can be extracted using a single instrument method on the Maxwell® RSC, Maxwell® RSC 48, Maxwell CSC® and Maxwell® CSC 48 instruments. This means that combinations of different pre-processed samples can be extracted in the same instrument run, increasing efficiency for the laboratory. Because one kit can be used to process multiple sample types, labs will also decrease their need to maintain multiple kits within expiration date for these sample types.