High true positive detection rates were demonstrated for short variants (Single Nucleotide Variants—SNVs and Indels) at low variant allele expected frequencies across all reference cell line samples (two Seraseq® ctDNA Mutation Mix samples in duplicates). From both input amounts (10 ng and 50 ng) 100% of short variants (SNVs and Indels) were detected at 1% allele frequency using either of the two KAPA HyperPETE Panels.
At 0.5% allele frequency from 10 ng input, the true positive detection rate was 94% and 96.9% using the KAPA HyperPETE Hot Spot Panel and the KAPA HyperPETE Pan Cancer Panel, respectively.
At 0.5% allele frequency from 50 ng input, the true positive detection rate was 100% and 98.4% using the KAPA HyperPETE Hot Spot Panel and the KAPA HyperPETE Pan Cancer Panel, respectively.