

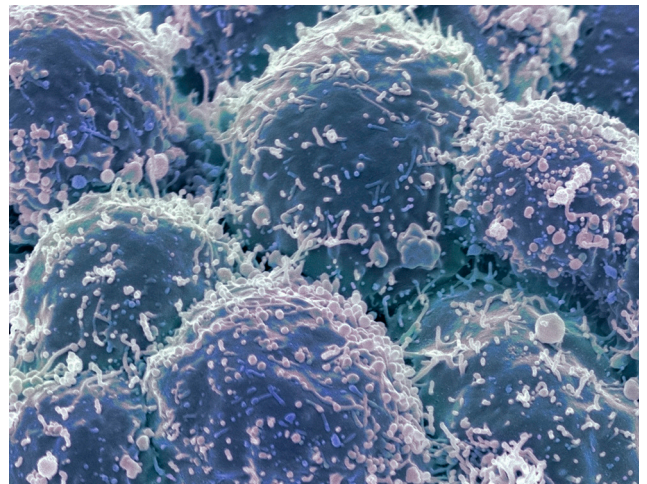
Seraseq[®] Tumor Mutational Burden Reference Standards

ADVANCING NGS-BASED TMB MEASUREMENT WITH COMPREHENSIVE REFERENCE STANDARDS

Tumor mutational burden (TMB) shows great promise as a biomarker for immuno-oncology (I-O) therapy response, but progress is hindered by the lack of a standardized TMB measurement by targeted NGS panels, and an absence of TMB reference materials. SeraCare is developing the first consensus-driven universal reference standard for TMB measurement to accelerate the clinical application of TMB in I-O therapeutic stratification.

SERACARE'S TMB REFERENCE STANDARDS LEADERSHIP

- Sole provider of TMB reference standards to the Friends of Cancer Research's TMB Harmonization Working Group¹; a consortium of industry experts working on harmonizing TMB measurements by targeted NGS panels
- Participating in planned global proficiency projects (EQA) as a TMB reference standard supplier
- Organizer and facilitator of a TMB Working Group consisting of I-O thought leaders from the NGS-based diagnostics, pharma, cancer research, and clinical laboratory industries charged with informing the design, development, and evaluation of Seraseq TMB reference standards
- Seraseq TMB reference standards are being developed with WES-characterized cell lines (tumor-normal matched pairs) that provide coverage from TMB-high to TMB-low measurements



RELY ON OUR EXPERTISE

SeraCare is a globally recognized leader in NGS tumor profiling reference materials and QC data management solutions. NGS panel manufacturers and clinical testing laboratories rely on Seraseq reference standards to accelerate their assay development, validation, and clinical deployment for patient testing.

Our broad portfolio of highly multiplexed solid tumor profiling, liquid biopsy, and heme malignancy reference materials are engineered from a blend of biosynthetic targets and well-characterized wild-type background genomic DNA featuring the requisite breadth of genomic alterations and resemblance to patient samples in a wide variety of formats. And with SeraCare's VariantFlex[™] custom NGS library, you can easily get the variants you need at your desired allele frequencies in the format that fits your assay within weeks, thanks to our streamlined process and flexible biosynthetic technology.

To learn more and request early access to upcoming Seraseq TMB reference materials, visit www.seracare.com/tmb or email info@seracare.com.

¹ <https://www.focr.org/tmb>