

Seraseq[®] FFPE Solid Tumor CNV RM

Comprehensive reference material for development, validation and clinical application of assays for copy number alterations in solid tumors

INTRODUCTION

Gene amplifications and deletions, collectively called copy number variations (CNVs), are common in cancer cells and contribute to uncontrolled cell growth, drug sensitivity and resistance. To support clinical labs performing next generation sequencing (NGS)-based tumor profiling of cancer patient samples and help assay developers develop and characterize the performance of their assays, LGC SeraCare has developed a comprehensive solid tumor CNV reference material in formalin-fixed paraffin-embedded (FFPE) format.

This unique product includes a wide range of CNVs of clinically relevant genes associated with solid tumors. Amplifications of these target genes are quantitated by digital PCR (dPCR) and blended with the well-characterized GM24385 genomic background. Develop and validate your assay with confidence using the most comprehensive patient-like reference material on the market and ensure robust sensitivity using a single sample bearing a range of copy numbers to establish and challenge your assay's limit of detection (LOD).

FEATURES AND BENEFITS

- 12 clinically relevant CNVs associated with solid tumors
- A single reference material carrying gene amplifications at various levels
- Copy numbers quantified using sensitive dPCR assays and blended with the well-characterized GM24385 genomic background
- Validated by a targeted NGS panel
- Manufactured in GMP-compliant, ISO 13485-certified facilities

CNVs INCLUDED

Gene ID	Cancer Type
AKT2	Breast, Pancreatic, Ovarian, Lung, Colon, Bladder
BRAF	Breast, CRC, Melanoma, Prostate, Glioblastoma
EGFR	Glioblastoma, Lung, Breast, Esophageal, Colon
ERBB2	Breast, Esophageal, Lung, Colon, Bladder
FGFR3	Bladder, Breast, Pancreatic, Glioblastoma, Ovarian
KIT	Brain, Breast, GIST, Lung, Melanoma
KRAS	Lung, Breast, Esophageal, Ovarian, Pancreatic
MET	Lung, Glioblastoma, Colon, Esophageal, Gastric
MYC	Breast, Lung, Colon, Prostate, Breast, Ovarian
MYCN	Brain, Breast, Bladder, Uterine Corpus
NTRK1	Lung, Breast, Endometrial, Melanoma, Liver
PIK3CA	Breast, Lung, Ovarian, Anal, Head & Neck

HIGHLIGHTS

Highly multiplexed, containing 12 clinically relevant CNVs found in solid tumors

Quantitated with dPCR and validated with NGS; Ensures accurate and consistent detection of CNVs

High-quality manufactured reference material in full process format

ORDERING INFORMATION

Product	Catalog #	Concentration	Fill Volume	Total Mass
Seraseq® FFPE Solid Tumor CNV RM	0710-2865	1 curl/vial	10 µm curl	>100 ng DNA

ABOUT US

SeraCare offers a comprehensive portfolio of reference materials for oncology and reproductive health, designed and manufactured to meet the precision demanded by NGS assays. The portfolio includes high quality ground-truth RNA, ctDNA and genomic DNA-based reference materials that are platform agnostic for tumor profiling, immuno-oncology, liquid biopsy, NIPT and germline cancer assay workflows.

TO PLACE AN ORDER

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