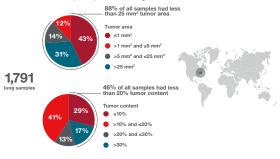
High sample input requirements significantly limit usability of hybrid capture-based NGS tests

Clinical practice guidelines recommend broad genetic profiling by next-generation sequencing NGSI for advanced nonsmall cell lang career (NGCLG) to gide first-line testement, Yet, small biopsies and low-tumor content samples pose challenges to stering. The data below, from laborations across the world, show how limited many of these samples are. While NGS is generally seen as a tissue-saving method given its ability to deliver multiple biomarker results with a single sample, it is important to understand that the sample size and content requirements are not equal for all NGS-based methods. Some NGS-based methods can test smaller samples and deliver certific for more productions.

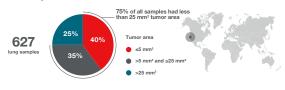
Multicentric feasibility study, US1



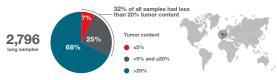
Cancer Genetics, Inc., New Jersey²



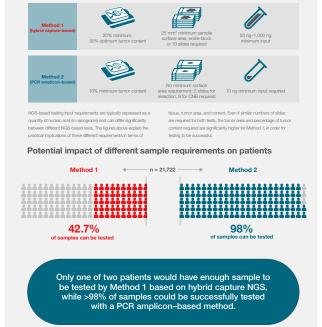
Life Lab, California³



Sarah Cannon Molecular Diagnostic Laboratory, London⁴



Sample requirements can differ greatly from one test to the next



References 1. Scott, A, et

SOUT, A. et al. (2021) Actionable CR-based comprehensive genomic prefiling (POR-CG P): Feasibility from >20,000 tissue specimens and predicted impact on actionable smaller identification vs. hybrid capture (A)-CD P and plasma (P)-CSP. Presented at ASCO 2020.

3. Life Lab Internal Audit data on file 4. Tissue is still the issue, David Moore; The Pathologist, May 2018

© 2020 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. COL012749 C

