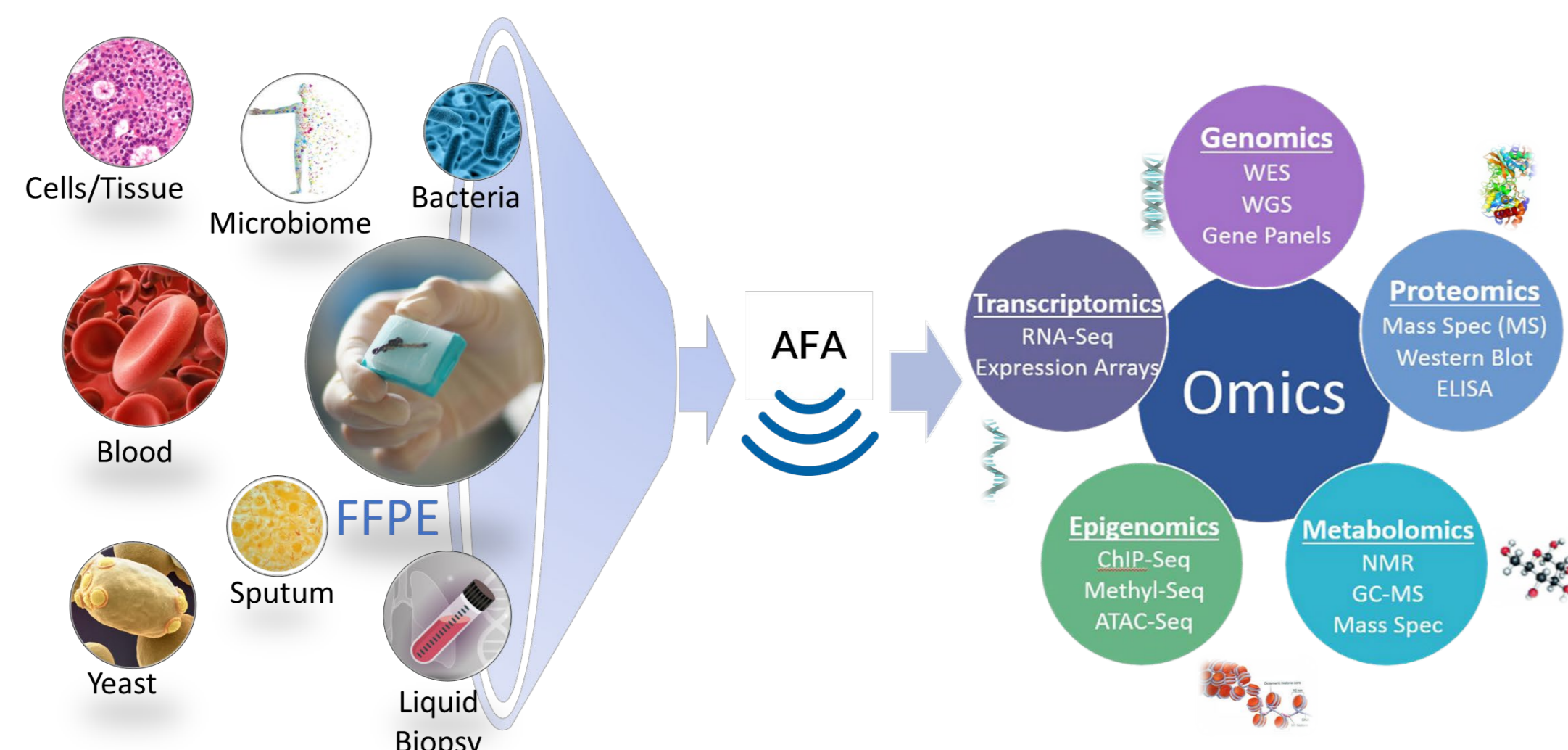




AFA in Pre-analytical Sample Prep



AFA Enables Active Paraffin Removal

Fast and non-toxic deparaffinization and tissue rehydration

Covaris Technology

Cavitation bubbles increase emulsification and paraffin removal without destroying sensitive analytes

Reproducible

Complete tissue rehydration, homogenization, and paraffin removal enable reproducibility

Active Deparaffinization

Reliability

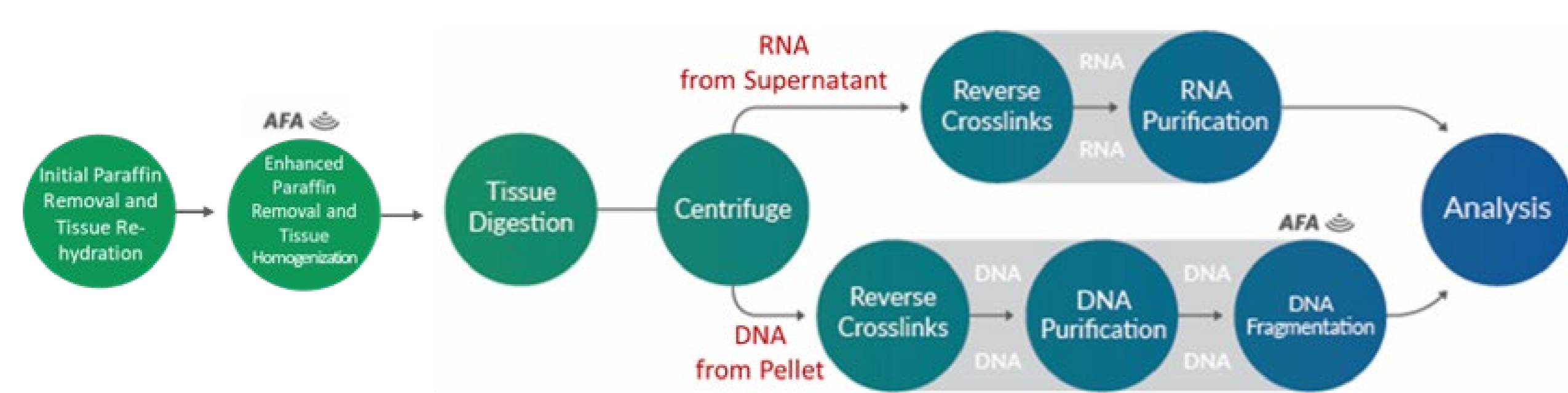
Higher level of deparaffinization increases levels of analytes recovered

Robustness

No organic solvent simplifies workflow and preserves solvent vulnerable analytes (RNA)

Genomics: DNA and RNA Extraction from the Same FFPE Sample

A. truXTRAC® FFPE SMART Solutions



B. Focused-ultrasonicators

All instruments are suitable for active deparaffinization of FFPE tissue

M220
1 sample

ME220
6 sample

ML230
6 samples (parallel processing)

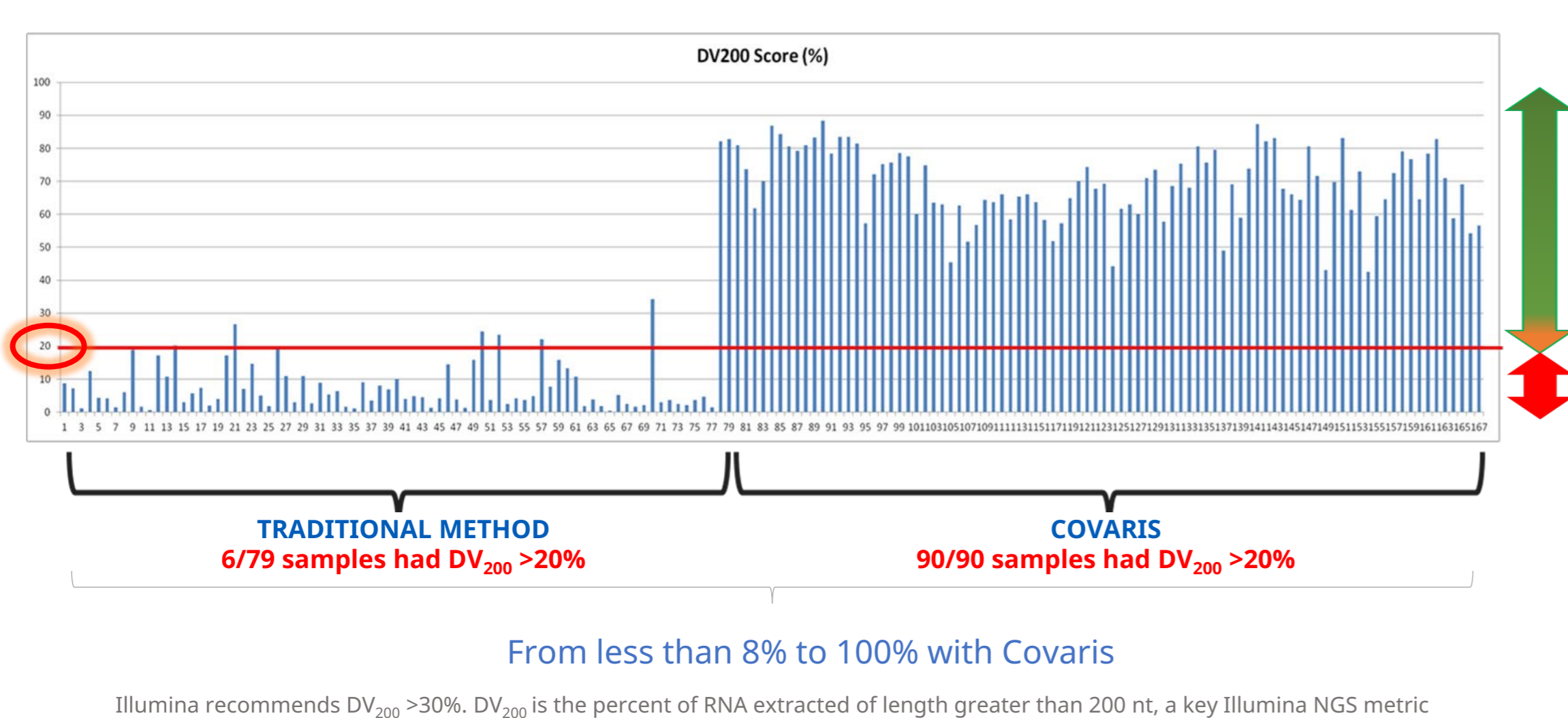
R230
8-96 samples

Automation - High-Throughput

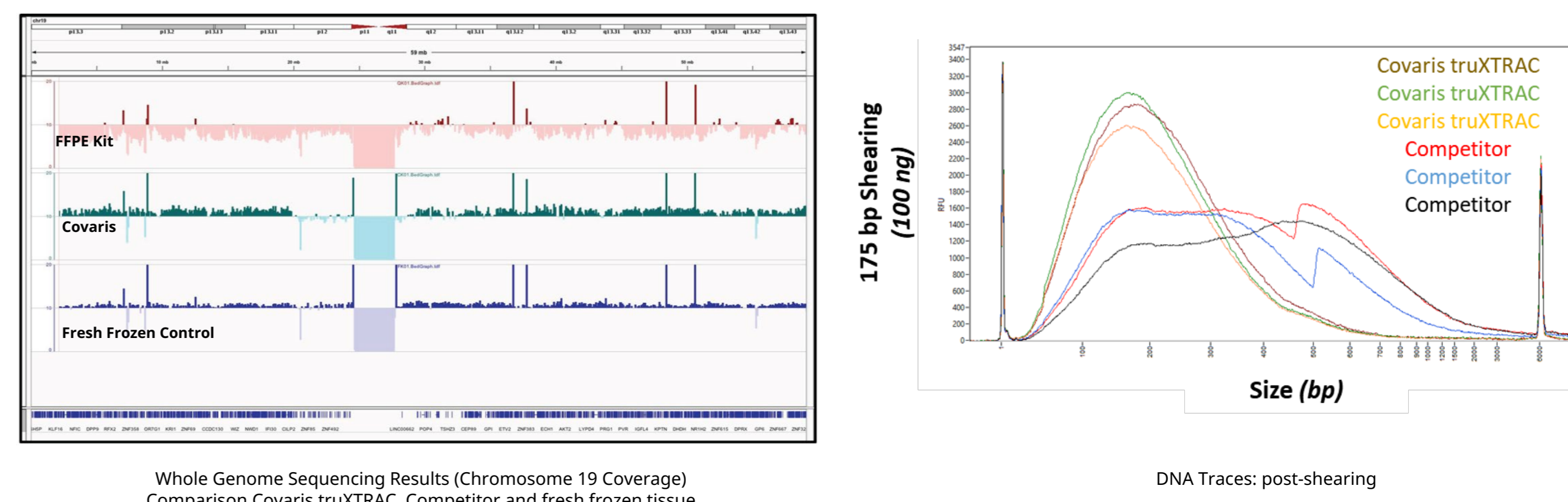
Pre-AFA

Post-AFA

C. Extraction of Higher Quality RNA from FFPE Samples



D. Extraction of Higher Quality DNA from FFPE Samples



"When I first saw these results I said: There is absolutely no way this is real!"
- Shawn Levy, Hudson Alpha, ABRF 2019

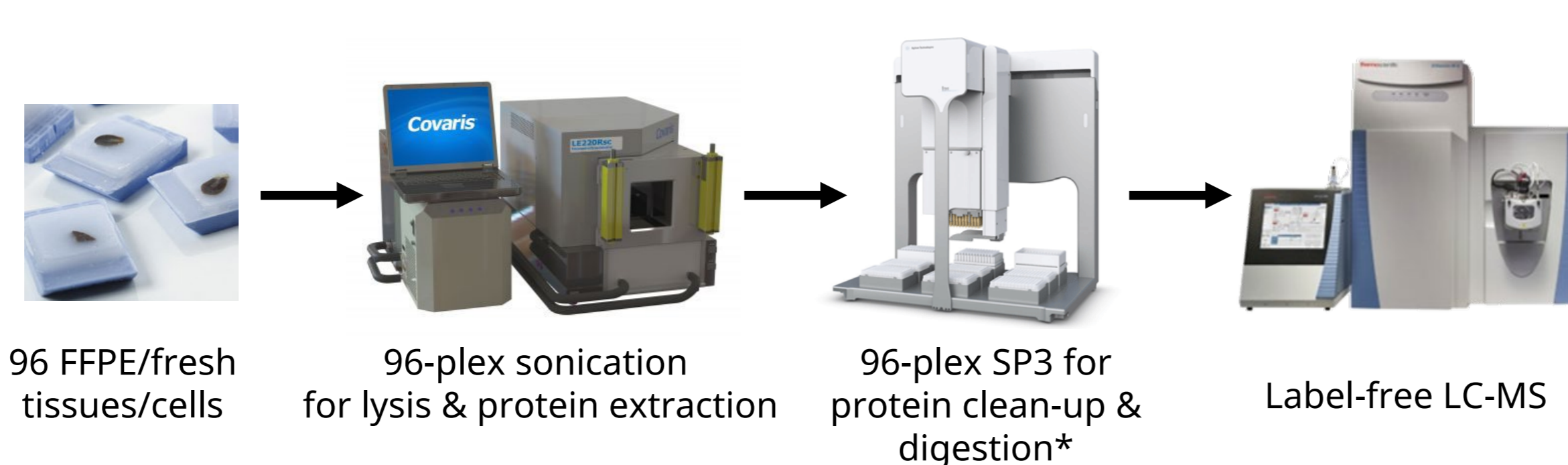
"Overall higher yields versus competitor, with a lower drop-out rate"
- Hudson Alpha, 2019

Proteomics: MassSpec from FFPE samples

Robust, Easy and Scalable Sample Preparation

- Hands off
- Use your buffer of choice
- Non-toxic deparaffinization
- Work in small volumes (<20 µL)
- Scale up to 96 sample format and beyond

A. Hands-free, High-throughput Proteomics from FFPE



B. Cell Lysis and Protein Extraction with Precision

