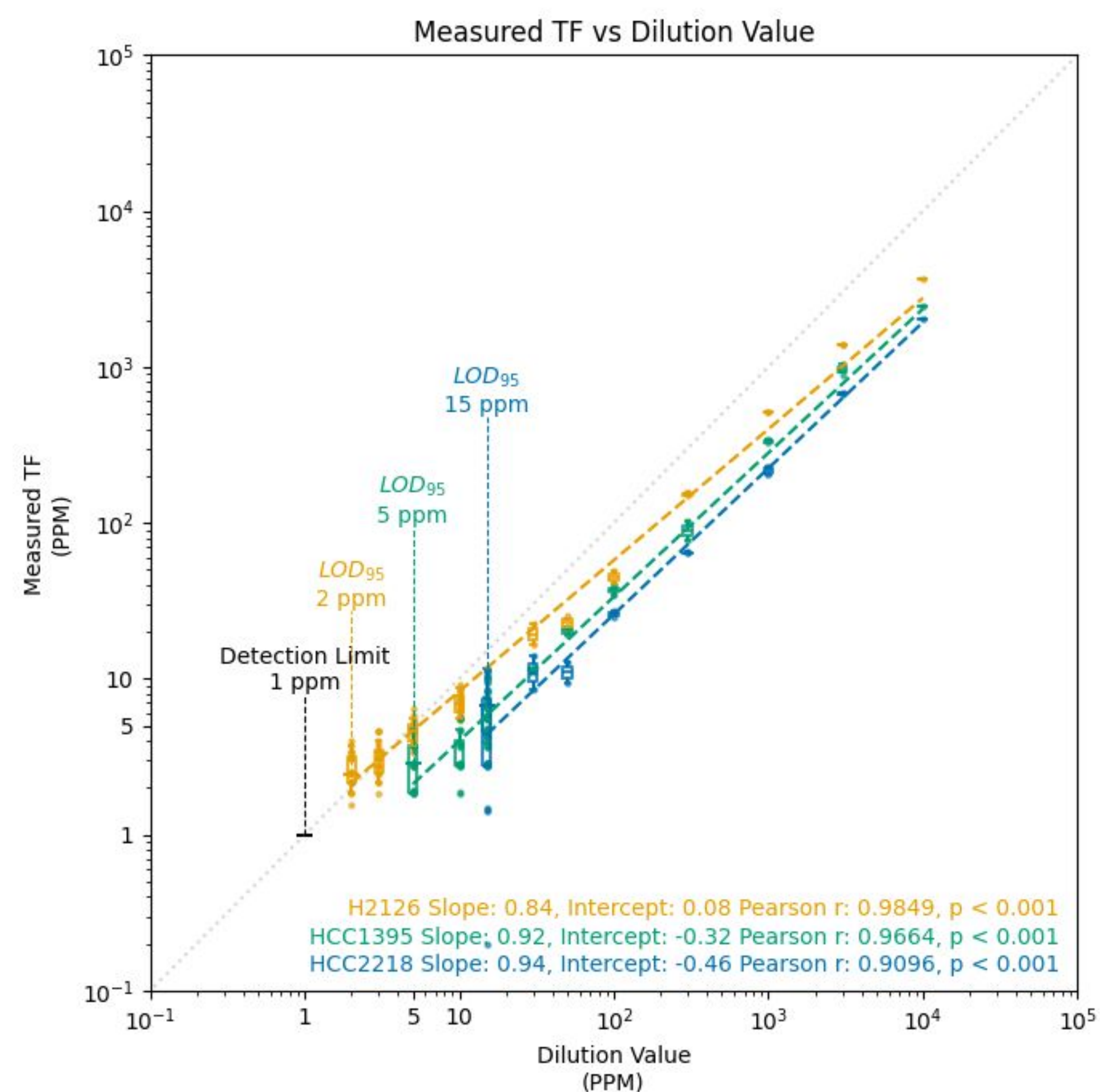


MRD Vision: one-in-a-million level circulating tumor DNA assay using whole-genome sequencing

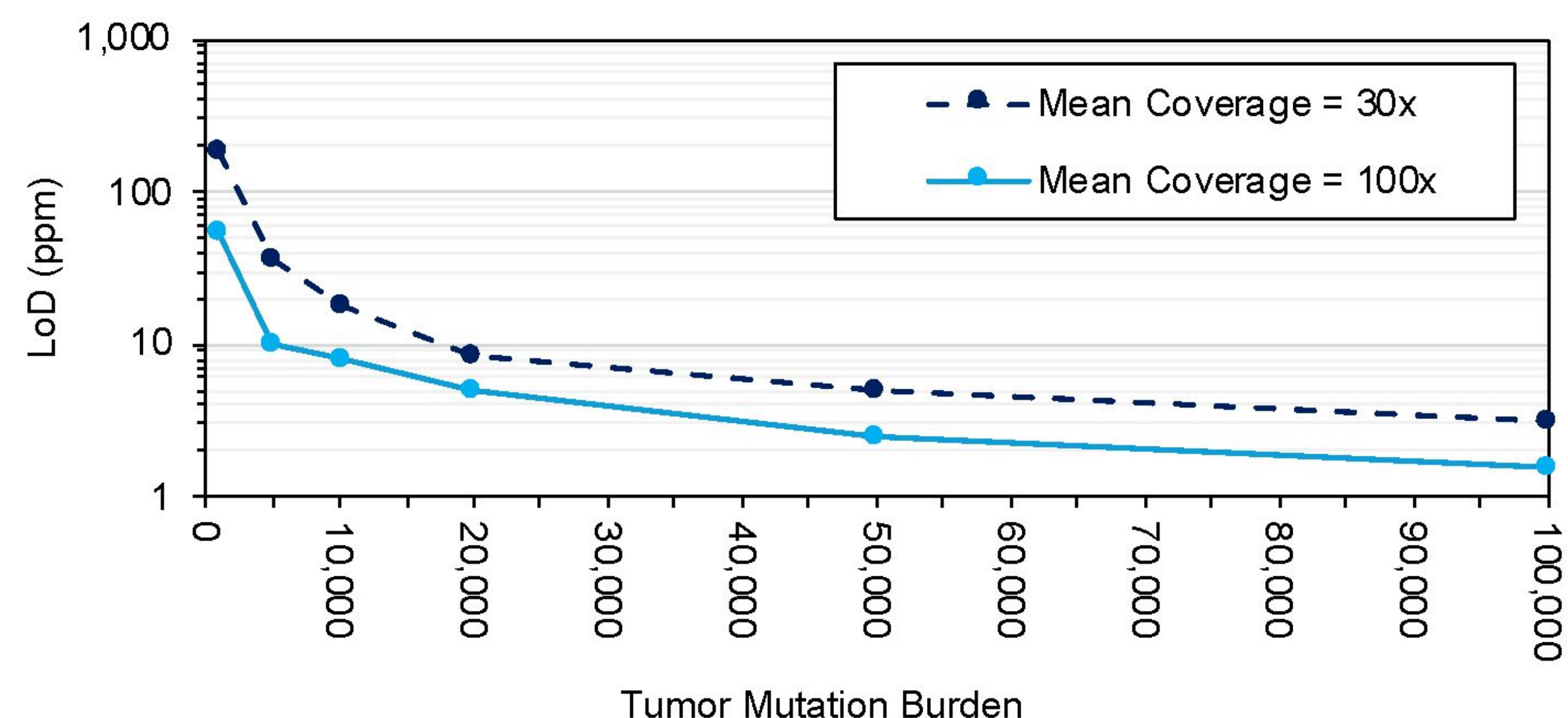
MRD Vision detects ctDNA at a ppm-level with a whole-genome sequencing approach

- **ctDNA as a Biomarker:** circulating tumor DNA (ctDNA) fraction, representing the proportion of tumor-derived cell-free DNA (cfDNA), is a crucial biomarker for assessing cancer recurrence and evaluating treatment effectiveness.
- **Significance of Low-Level Detection:** Detecting ctDNA levels below 0.01% (100 ppm) is vital for identifying minimal residual disease (MRD), with significant implications for patient outcomes.
- **CancerVision** delivers whole genome cancer profiling, creating individualized WGS tumor somatic signatures as a baseline for each patient.
- **MRD Vision** then utilizes this personalized WGS baseline to detect ctDNA fraction by analyzing WGS **ppmSeq™** data from cfDNA.



Order MRD Vision RUO assay

- **Ultra sensitive and robust accuracy:** one-in-a-million level LOD which enables potentially earlier disease detection
- **2 week turnaround time** from receipt of samples at the lab
- **50% lower cost** vs. widely used MRD today
- **WGS approach:** no patient-specific panel needed
- **Sample requirement:** minimum of 2 Streck tubes of peripheral blood (10 mL each) for 100x coverage of cfDNA



Key features	Inocras – MRD Vision	Widely adopted MRD products
Product concept	Tumor-informed	Tumor-informed
Genome coverage	Baseline: TE-WGS (CancerVision) ctDNA: WGS	Baseline: WES or WGS-based ctDNA: Personalized panel with limited number variants
Technology platform	Inocras WGS Ultima Genomics ppmSeq™	Own IP or partnership
LOD	0.0001% (1 ppm) LOD95: as low as 2 ppm	Mostly 0.001% - 0.01% (10 - 1000 ppm)
Deliverable	TE-WGS cancer profiling data (CancerVision) + WGS ctDNA monitoring report	ctDNA monitoring report
Turnaround time	First order: 4 weeks or less Follow-ups: 2 weeks or less	First order: 4-5 weeks Follow-ups: 7-14 days
Price	Affordable (~50% of commercially available products)	High cost due to high read depth of personalized panels