

- Ion Chef + Ion S5 XL : 유일한 Full Automation 의료기기
- Full Package : Oncomine Panel + Ion Chef + Ion S5 XL + 기본서버 + Data 분석
- Total Solution : Sample Extraction부터 Data 분석까지
- 10 ng DNA & RNA : FFPE, CNB, FNA sample도 충분
- Rapid TAT : 4~5 days

ion Chef

ion S5 XL



Library Prep.

3 pipetting
15 min. setup
7 hrs run

Template Prep. & Chip Loading

2 pipetting
15 min. setup
11 hrs run (O/N)

Sequencing

0 pipetting
15 min. setup
2.5 ~ 4 hrs run

Oncomine Panel

- Comprehensive Assay
- cfDNA Lung/ Colon/ Breast
- Transcriptome
- BRCA
- Immune Response
- Focus Assay

Ion AmpliSeq Panel

- Leukemia/ AML/ Myeloid Neoplasm
- Lymphoma
- Noonan
- Hearing Loss
- Cardiac/ Sudden Cardiac Death
- Aortic Dissection/ Thoracic Aortic Aneurysm and Dissection (TAAD)
- Skeletal
- Dementia/ Parkinson
- TB

ion S5XL.. **Immuno Oncology Solution** ..NGS

Molecular profiling

+

Liquid biopsy

+

Immuno-oncology

Oncomine™ Comprehensive Assay

- 143 genes (73 Hotspot, 49 CNV, 26 CDS, 22 Fusion)
- 추가 적용

Oncomine™ BRCA Assay

- BRCA1/2 (추가적용)

Oncomine™ Focus Assay

- 52 genes (35 Hotspot, 19 CNV, 23 Fusion)

Oncomine™ Myeloid Assay

Oncomine™ Childhood Assay

Oncomine™ Lung cfTotal NA Assay

- 12 genes (11 Hotspot, 1 CNV, 3 Fusion)

Oncomine™ Breast cfDNA Assay

- 10 genes (Hotspot only)

Oncomine™ Breast cfDNA Assay v2

- 12 genes (10 Hotspot, 3 CNV, 1 CDS)

Oncomine™ Colon cfDNA Assay

- 14 genes (Hotspot only)

Oncomine™ Pan-Cancer cfDNA Assay

- 32 genes (23 Hotspot, 10 CNV, 1 CDS, 13 Fusion)

0.1% LoD/ Single Tube blood
Actionable Insights/ 2-Day workflow

Oncomine™ Immune Response Assay

- 395 genes (RNA seq) associated with lymphocytes regulation, cytokine signaling, lymphocyte markers, checkpoints pathway, tumor characterization & housekeeping gene

Ampliseq Immune Repertoire [TCRβ] Assay

Oncomine™ Tumor Mutational Burden Research Assay

