

## Whole Exome Sequencing 隆重登場

保留 NimbleGen HyperCap 既有優勢

操作流程  
簡單友善

提供已確效 (Validation) 完成  
之自動化解決方案

提供  
最完整支援

TE 2.0 效能大躍進 全面再升級

Higher Confidence

Package flexibility

High Uniformity

Lower Duplication Rate

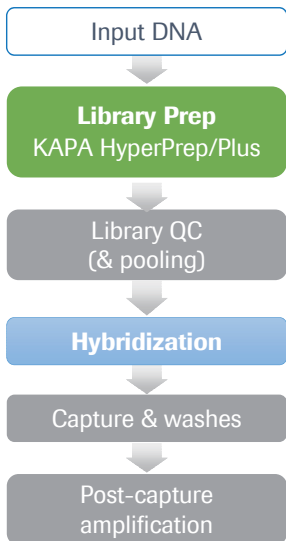
Higher Target Coverage

✓  
更準確

✓  
超簡便

✓  
高效益

### HyperCap Workflow 3.0

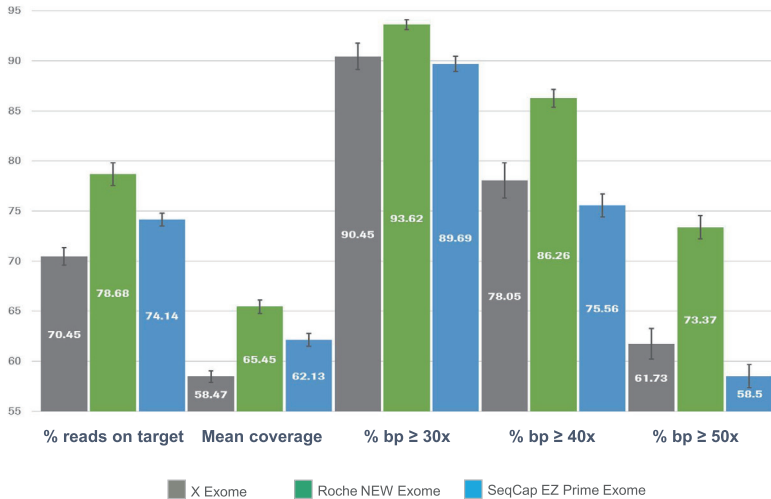


反應時間約兩小時即可達  
最適探針雜合效率

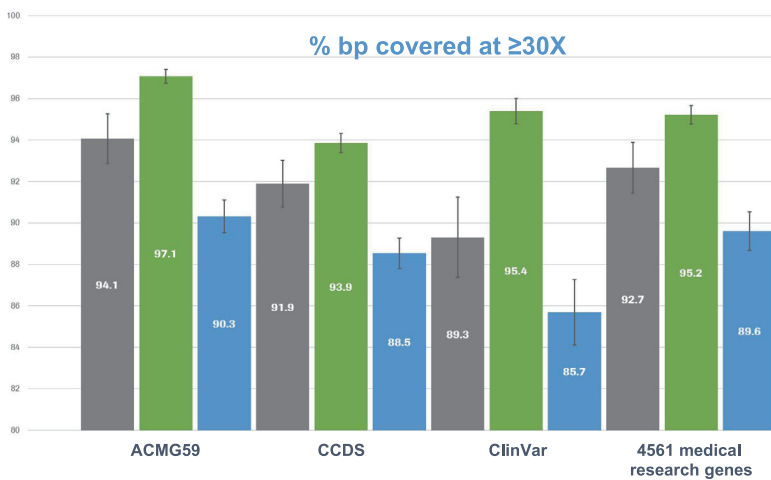
### Experimental setup

| Exome                    | Competitor X               | Roche <b>NEW</b> Exome  | SeqCap EZ Prime Exome |
|--------------------------|----------------------------|---|-----------------------|
| gDNA (ng)                | 50 (enzymatic shear)       | 100 (covaris shear)   | 100 (HyperPlus)       |
| Adapters                 | DI Adapters                | KAPA universal stubby adapter (+ UDI primers)                             | KAPA DI Adapters      |
| Pre-Capture PCR cycles   | 10                         | 8   | 7                     |
| Pre-Capture Multiplexing | 8                          | 8   | 8                     |
| Library pool in hybe     | 1.5 µg / speedvac required | 1.5 µg / <b>no speedvac</b>   | 1 µg / no speedvac    |
| Hybe Temperature         | 70°C / 16h                 | <b>55°C</b> / 16h   | 47°C / 16h            |
| Wash Temperature         | 48°C                       | 55°C  | 47°C                  |
| Post-Capture PCR cycles  | 8                          | 8   | 14                    |
| Capture Target size      | 36.7 Mb (CCDS)             | 43 Mb (CCDS, RefSeq, Ensembl, Gencode, ClinVar, 387 sample tracking SNPs) | 37 Mb (CCDS)          |
| HQ filtered reads        | 51.2 M                     | 60 M  | 53 M                  |
| Sequencer                | NovaSeq - 2x100bp          | NovaSeq - 2x100bp   | HiSeq2500 - 2x100bp   |
| Sample count             | 48 (16 cell lines)         | 48 (16 cell lines)  | 16 (8 cell lines)     |

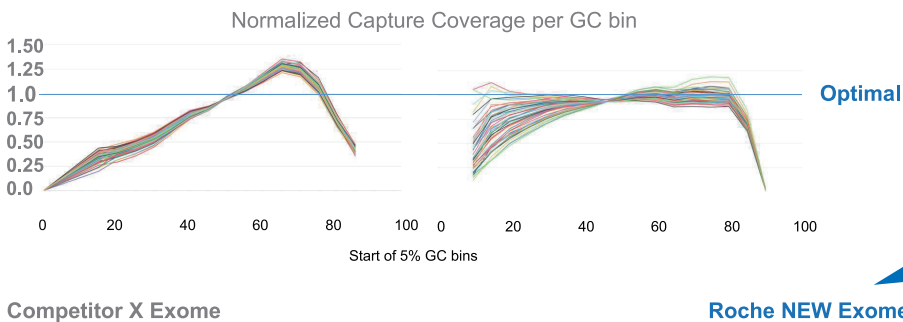
# Roche New Exome 與其它廠牌比較



**Roche TE 2.0**  
有較高的基因序列  
覆蓋率



**Roche TE 2.0**  
不同資料庫的  
定序分析結果  
相似度高



**Roche TE 2.0**  
針對不同的 GC%  
目標片段  
均勻度較佳

Significantly better uniformity across the GC % range than Competitor X

## 套組優惠方案實施中 請洽當區業務

須另外加購 **KAPA UDI Primer Mix (Rxn size : 96)**

**KAPA HyperExome Prep Kit 人類外顯子套組**

192 samples

| 套組試劑及所含數量                             | Rxn size | 數量 |
|---------------------------------------|----------|----|
| KAPA Hyper Prep (96rxn)               | 96       | 2  |
| KAPA Universal Adapter, 15uM 960 uL   | 96       | 2  |
| KAPA HyperPure Beads (5 mL)           | 5 mL     | 4  |
| KAPA HyperExome, 24 rxn               | 24       | 1  |
| KAPA Probes resuspension buffer, 1 mL | 1 mL     | 1  |
| KAPA HyperCapture Reagent kit, 24 rxn | 24       | 1  |
| KAPA HyperCapture Bead kit, 24 rxn    | 24       | 1  |

須另外加購 **KAPA UDI Primer Mix (Rxn size : 96)**

**KAPA HyperExome Plus Kit 人類外顯子套組**

192 samples

| 套組試劑及所含數量                             | Rxn size | 數量 |
|---------------------------------------|----------|----|
| KAPA HyperPlus (96rxn)                | 96       | 2  |
| KAPA Universal Adapter, 15uM 960 uL   | 96       | 2  |
| KAPA HyperPure Beads (5 mL)           | 5 mL     | 4  |
| KAPA HyperExome, 24 rxn               | 24       | 1  |
| KAPA Probes resuspension buffer, 1 mL | 1 mL     | 1  |
| KAPA HyperCapture Reagent kit, 24 rxn | 24       | 1  |
| KAPA HyperCapture Bead kit, 24 rxn    | 24       | 1  |



研毅企業有限公司 ANTEC Bioscience Inc [www.ante-bio.com.tw](http://www.ante-bio.com.tw)

台北 02-2758-5928 新竹 03-530-7572 台中 04-2463-8312 台南 06-336-9665 高雄 07-342-7336