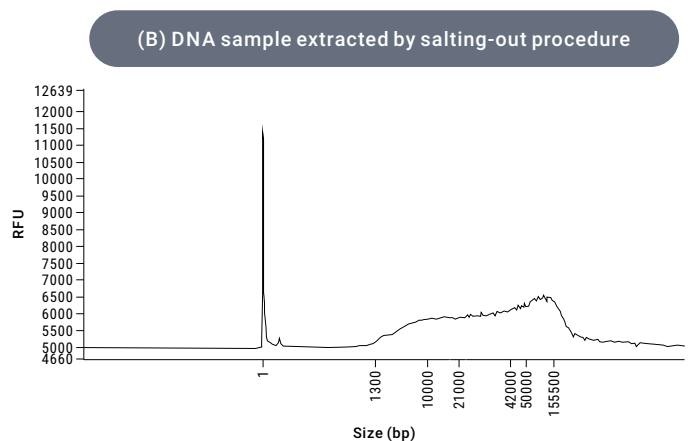
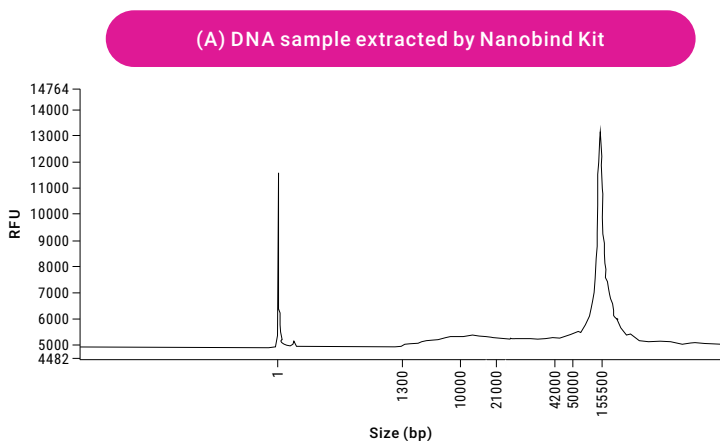
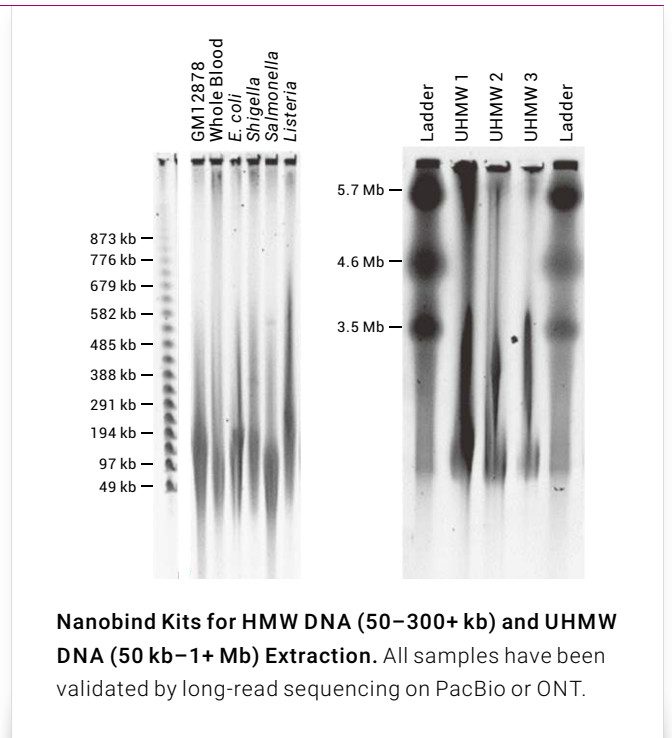




# 三代定序 DNA 樣本製備最佳利器

## Nanobind HMW DNA Extraction Kits

- 有效取得高品質超長 DNA 片段**  
 針對第三代長讀取定序樣本製備設計的專利奈米磁碟「Nanobind Magnetic Disks」具有高表面積與低剪切應力特色，在萃取 DNA 時可最大程度保留 DNA 長度。
- 同一套 Kit，兩種 Protocol 選擇**
  - High Molecular Weight (HMW, 50–300+ kb)
  - Ultra High Molecular Weight (UHMW, 1+ Mb)\*\*限 CBB kit 與 Tissue kit
- 高產量**  
 單次萃取產量可達「mg」等級。
- 操作簡便快速**  
 操作時間 <60 分鐘。



DNA fragment size was measured using the Femto Pulse System (Agilent Technologies) for two DNA samples extracted from GM24385 cells. (A) HMW DNA extracted using Circulomics Nanobind technology is highly enriched for molecules of ~150 kb, well within the range expected when using the Nanobind CBB Big DNA Kit. (B) DNA extracted using a Miller salting-out procedure (Miller et al. 1988) shows a wide range of DNA fragment sizes, ranging from 2–200 kb.

# Nanobind HMW DNA Extraction Kits (continued)

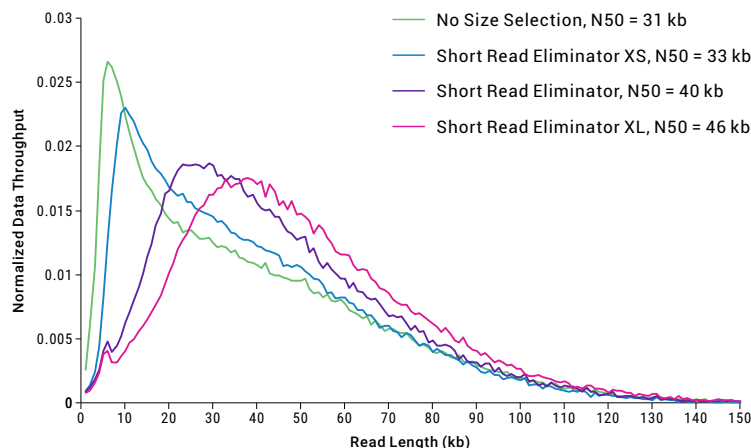
|          | Nanobind CBB kit  | Nanobind plant nuclei kit                                 | Nanobind tissue kit                                       |
|----------|---|---|---|
| 適用樣本     | Cell, Bacteria, Blood                                     | Plant tissue, Plant nuclei                                | Tissues, Insect, Fungal                                   |
| Protocol | HMW, UHMW   | HMW   | HMW, UHMW   |
| 訂購貨號     | <a href="#">102-301-900</a><br>(previously NB-900-001-01) | <a href="#">102-302-000</a><br>(previously NB-900-801-01) | <a href="#">102-302-100</a><br>(previously NB-900-701-01) |

## Short Read Eliminator (SRE)

根據實驗需求去除短片段 DNA，有效增加定序讀長 (read length)

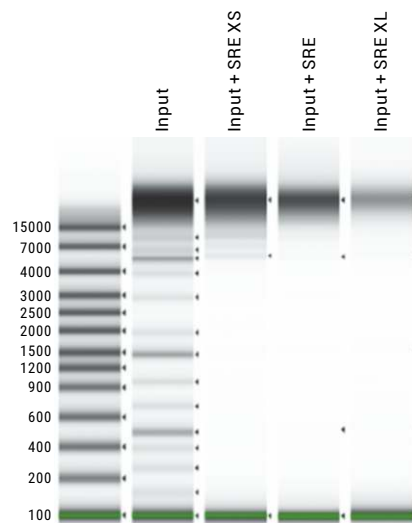
提供 3 種 Cutoff 選擇：

- Short Read Eliminator XS 去除 10 kb 以下 DNA
- Short Read Eliminator 去除 25 kb 以下 DNA
- Short Read Eliminator XL 去除 40 kb 以下 DNA



Short Read Eliminator Kits enhance long-read sequencing read lengths by depleting short DNA. Nanobind extracted human blood DNA with or without Short Read Eliminator processing on ONT GridION.

| 產品名稱       | 訂購貨號   |
|------------|--|
| SRE XS kit | <a href="#">102-208-200</a> (previously SS-100-121-01) |
| SRE kit    | <a href="#">102-208-300</a> (previously SS-100-101-01) |
| SRE XL kit | <a href="#">102-208-400</a> (previously SS-100-111-01) |



**3 Depletion Cutoffs.** Choose SRE Kit based on the desired size selection performance and the quality of input DNA.

PacBio + circulomics

更多第三代定序產品資訊  
請洽 PacBio 台灣代理  
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