

# AgriPrep™

powered by *ExpressPlex*

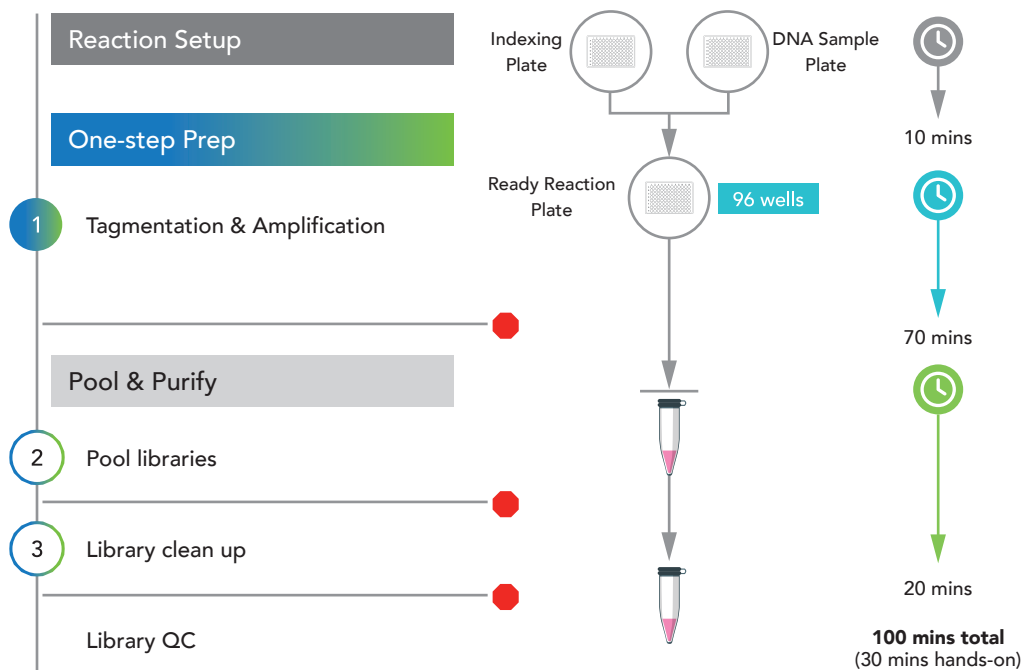
農業基因體學 (Agrigenomics) 對低深度全基因體定序 (low-coverage WGS / lcWGS) 的依賴度已顯著提升。然而，當應用規模擴大至群體層級 (Population level) 時，許多現行的次世代定序 (NGS) 建庫方法在檢測通量與價格親民度 (Affordability) 上仍顯得捉襟見肘。

為了打破這項瓶頸，AgriPrep 搭載了 seqWell 新一代的 TnX™ 轉座酶 (Transposase) 技術，並結合 ExpressPlex™ 一步驟工作流程，全力支援動植物超高通量 (Ultra-high-throughput) 的低深度全基因體定序 (Low-pass WGS) 與淺層定序 (SKIM-sequencing) 應用。

## 極簡流程

- 一步驟建庫
  - Tagmentation
  - +
  - Amplification
- 自動校正  
Auto-normalization
- 早期樣本混樣

## AgriPrep Library Preparation Workflow



## 規模化

- 自動化友善
- 能擴充至 3072 index
- 成本效益
- 節省大量耗材
- 解放人力成本

## Specifications

Primary Applications	<ul style="list-style-type: none"> <li>• Genotyping-by-sequencing (GBS)</li> <li>• Low-pass sequencing</li> <li>• SKIM-seq</li> </ul>
Sample Input Types	Plant, animal, and human genomic DNA
Transposase	TnX - Next generation engineered transposase
Kit Formats	<ul style="list-style-type: none"> <li>• 96-well</li> <li>• Custom dispense</li> </ul>
DNA Input	<ul style="list-style-type: none"> <li>• Working Range: 10-200 ng</li> <li>• Normalization Range: 20-100 ng</li> </ul>
Total Library Prep Time	100 minutes (30 minutes hands-on time)
Number of Unique Index Combinations	Up to 1536 (off-the-shelf) ; up to 3072 via custom ordering
Batch Range	8-96 samples; bulk reagents support 384-well & Echo-compatible plate formats

## Ordering Information

Product	Total sample	Index	Cat
AgriPrep Library Prep Kit, 4X96 - Set 1000	384	CDI	301721
AgriPrep Library Prep Kit, 4X96 - Set 2000	384	CDI	301722
AgriPrep Library Prep Kit, 4X96 - Set 3000	384	CDI	301723
AgriPrep Library Prep Kit, 4X96 - Set 4000	384	CDI	301724
AgriPrep Library Prep Kit, 4X96 - Any Index	384	CDI	301729
AgriPrep Library Prep Kit, 1X96-Any Index	96	CDI	301737

