

Roche

全新體驗

# KAPA RNA Hyper Kits 系列

更快速  
更簡便



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A/UV070103

# KAPA RNA Hyper Kits 系列

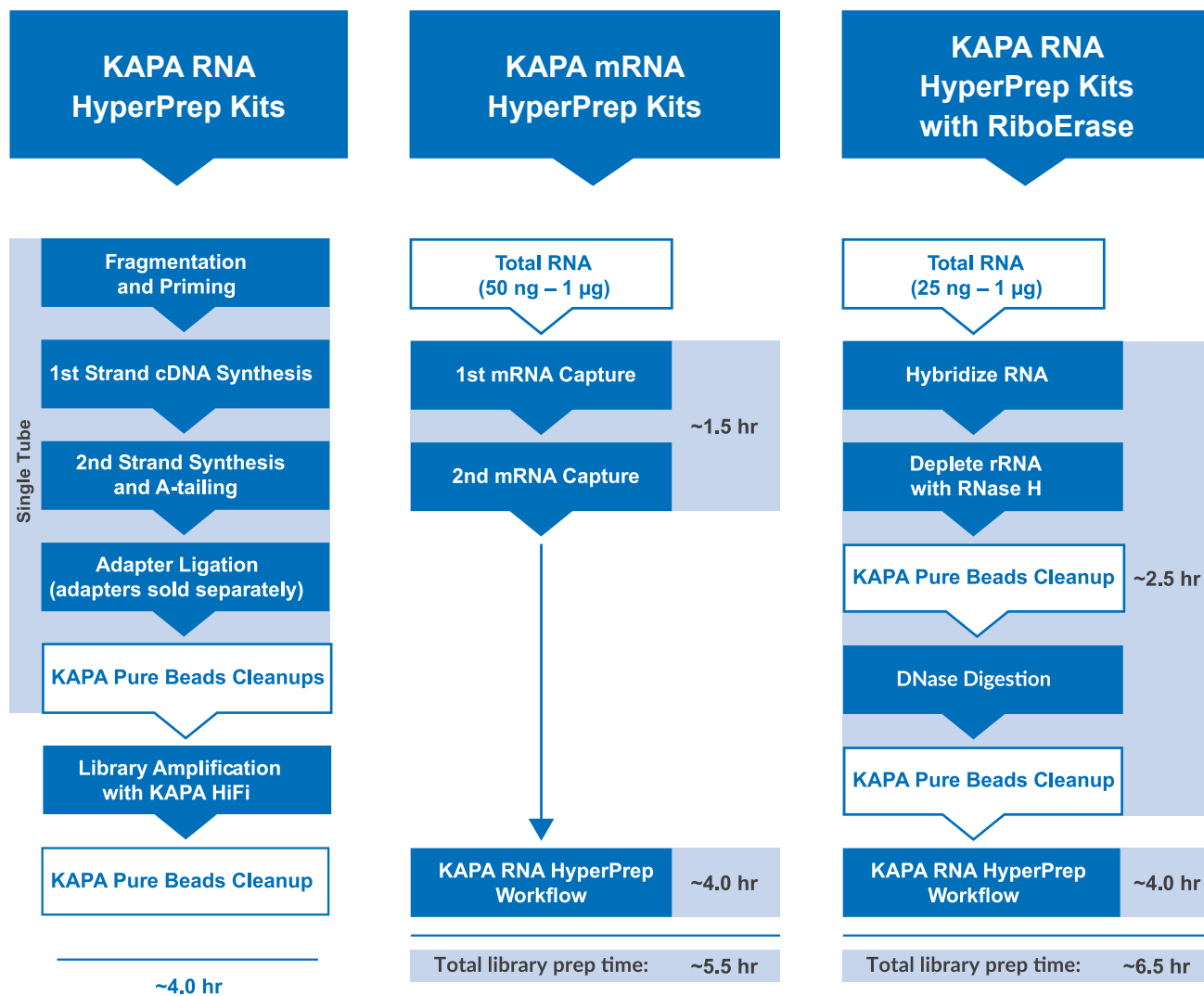
單管設計，利用嶄新的技術  
減少構築 **RNA library** 步驟，  
只需一天 (包含 **RNA enrichment**)  
即可完成高品質的 **RNA library** 構築

- **One-tube** 流程縮短實際操作時間
- 從 **input RNA** 開始約 4 小時可完成 **library** 構築
- 保持超過 **99%** 的 **strand** 特異性
- 針對 **low-input** 與 **degraded** 樣本有較高的成功率
- 搭配自動化機器可獲得高通量與一致性的結果

## 多種試劑選擇

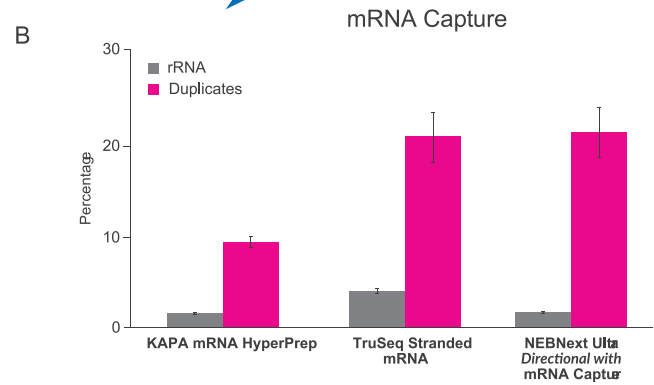
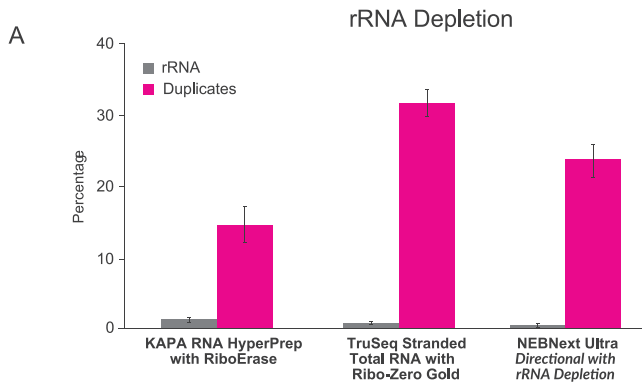
	No RNA Enrichment	mRNA Capture	Ribosomal Depletion
<b>KAPA Product</b>	<b>KAPA RNA HyperPrep Kit</b>	<b>KAPA mRNA HyperPrep Kit</b>	<b>KAPA RNA HyperPrep Kit with RiboErase</b>
<b>Library Prep Workflow time</b>	4 hr	5.5 hr	6.5 hr
<b>Input Amount</b>	1 – 100 ng into library prep	50 ng – 1µg into mRNA capture	25 ng – 1µg into rRNA depletion
<b>Sample Type</b>	High-quality Total RNA	High-quality Total RNA	High-quality Total RNA
	Degraded or FFPE Total RNA		Degraded or FFPE Total RNA
	Enriched RNA		
<b>Species</b>	Eukaryotic (Animal, Plant, etc.)	Eukaryotic (Animal, Plant, etc.)	Human, Mouse, and Rat
	Prokaryotic (Bacterial, etc.)		
<b>Differentiating Applications</b>	Targeted RNA-Seq	mRNA-Seq	Non-coding RNA
	Whole Transcriptome		Whole Transcriptome
<b>Shared Applications</b>	Gene Expression Analysis; Detection of Gene Fusions, Isoforms, and other Structural Variants; Novel Transcript Identification; SNV Discovery		
<b>Strand-specific</b>	Yes		
<b>Automation friendly</b>	Yes		

## 精簡的 RNA library 置備流程

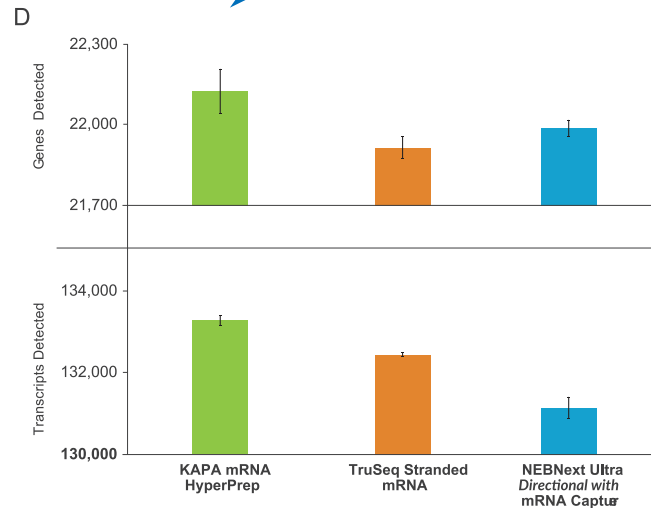
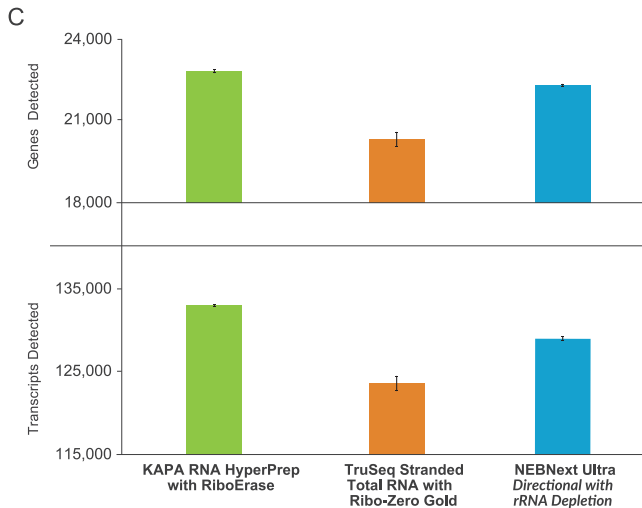


# 更好的利用定序儀效能

較少的 rRNA 汙染與 PCR duplicate 可減少 reads 浪費



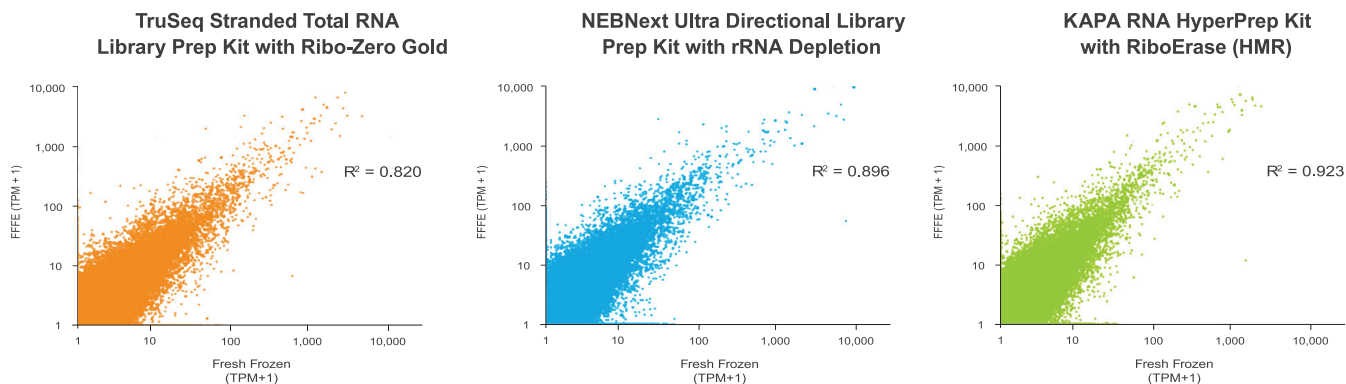
比它牌可鑑定更多的基因與 transcripts



Libraries were generated in quadruplicate with 25ng (rRNA depletion) and 50ng (mRNA capture) of high quality Universal Human Reference (UHR) RNA.

## 即使是 degraded 樣本 也能得到可靠的定序結果

FFPE 樣本與新鮮的冷凍切片樣本呈現高度相關性



Libraries were generated in duplicate using 100 ng inputs of paired FFPE-derived and fresh frozen breast tumor total RNA samples

## adapter 建議用量

### KAPA RNA Hyper Prep kits

Quantity of starting material	Starting material quality	Adapter stock concentration
1 – 49 ng	Partially degraded or FFPE-derived	1.5 $\mu$ M
	High-quality	1.5 $\mu$ M
50 – 100 ng	Partially degraded or FFPE-derived	1.5 $\mu$ M
	High-quality	15 $\mu$ M

### KAPA mRNA Hyper Prep kit

Quantity of starting material	Adapter stock concentration
50 – 499 ng	1.5 $\mu$ M
500 – 1000 ng	7 $\mu$ M

### KAPA RNA Hyper Prep kit with RiboErase

Quantity of starting material	Starting material quality	Adapter stock concentration
25 – 499 ng	Partially degraded or FFPE-derived	1.5 $\mu$ M
	High-quality	1.5 $\mu$ M
500 – 1000 ng	Partially degraded or FFPE-derived	1.5 $\mu$ M
	High-quality	7 $\mu$ M



## KAPA RNA Hyper Kits 系列

Cat No	Product	Size
08098093702	KAPA RNA HyperPerp Kit	24 rxns
08098107702		96 rxns
08098115702	KAPA mRNA HyperPerp Kit	24 rxns
08098123702		96 rxns
08098131702	KAPA RNA HyperPerp Kit with RiboErase (HMR)	24 rxns
08098140702		96 rxns
08278555702	KAPA Dual-Indexed Adapter Kit	15 $\mu$ M
07983298001	KAPA Pure Beads	60 mL

for research use only, not for clinical purpose



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