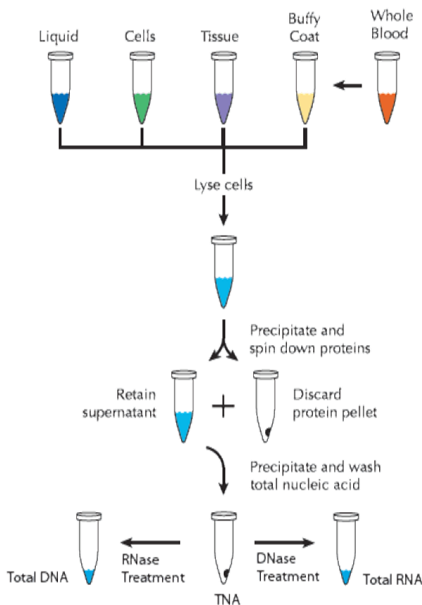




3代定序的好幫手

萃取出 高品質、長序列的核酸

MasterPure™ DNA/RNA isolation kit



- ◆ 沒有分子量限制
- ◆ 沒有 binding capacity 問題
- ◆ 沒有無法 Elute 的問題
- ◆ 可以隨 sample 量調整反應體積
- ◆ 適用範圍廣：細胞、組織、血液、植物
- ◆ 不使用有毒有機溶劑
- ◆ 純度高，A_{260/280} ratio: 1.8-2.0

Kit	Time	Samples Tested
MasterPure™ Complete DNA and RNA Purification Kit	< 1 hr	Whole blood, plasma, buccal cells, liver, mouse tail, kidney, saliva, urine, sputum, semen, cell lines, cervical cells, paraffin-embedded tissues, Guthrie cards
MasterPure™ Yeast DNA Purification Kit	< 40 min	Yeast (<i>Candida</i> , <i>Saccharomyces</i> , <i>Pichia</i> , <i>Schizosaccharomyces</i>), filamentous fungi (<i>Aspergillus</i> , <i>Penicillium</i>)
MasterPure™ Gram-Positive DNA Purification Kit	30 min / overnight	<i>Bacillus subtilis</i> , <i>Listeria monocytogenes</i> , <i>Staphylococcus aureus</i> , <i>Streptococcus mutans</i> , <i>Lactococcus lactis</i>
MasterPure™ DNA Purification Kit for Blood Version II	< 40 min	Whole blood, buffy coat

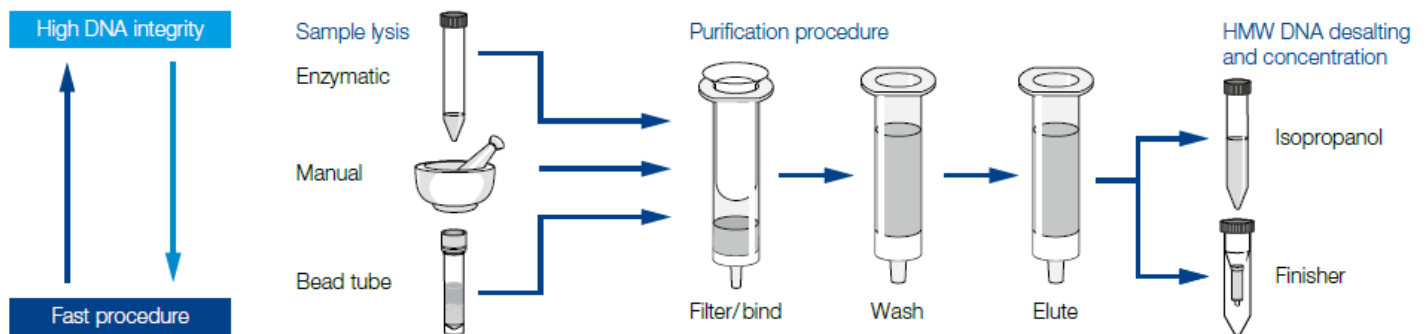
Kit	Time	Samples Tested
MasterPure™ Yeast RNA Purification Kit	< 1 hr	Yeast (<i>Candida</i> , <i>Saccharomyces</i> , <i>Pichia</i> , <i>Schizosaccharomyces</i>), filamentous fungi (<i>Aspergillus</i> , <i>Penicillium</i>)

創世紀生技有限公司 02-8792-9619

3 代定序的好幫手

萃取出 高品質、長序列的核酸

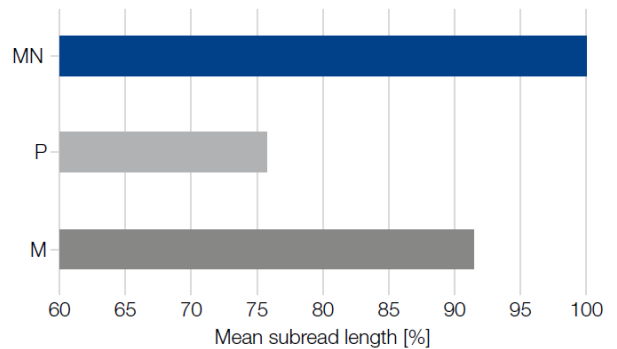
Procedure



MinION®(Oxford Nanopore) 定序結果

Read length [kb]	Number of reads	Accumulative read length [bp]
Total	130.591	1.096.733.169
> 1 kb	75.906	1.066.775.188
> 10 kb	36.755	925.569.331
> 20 kb	21.874	705.439.290
> 30 kb	10.918	435.266.462
> 40 kb	4.361	209.403.539
> 50 kb	1.328	75.094.595
> 60 kb	276	18.362.150
> 70 kb	52	4.041.525
> 80 kb	11	1.019.289
> 90 kb	6	597.205
> 100 kb	2	215.960

SMRT (PacBio RS II)定序結果比較



不同 sample DNA extraction quality

Parameters	Liver	Blood	<i>B. subtilis</i>	Yeast	<i>A. thaliana</i>
µg DNA/eluate	45.9	59.4	205.2	39.8	51.8
A ₂₆₀ /A ₂₃₀	2.31	2.39	2.21	2.43	2.14
A ₂₆₀ /A ₂₈₀	1.86	1.86	1.82	1.76	1.80
ng/µL	176.0	253.4	547.2	254.1	146.9

Cat. No.	Product	RXN
740160.2	NucleoBond® HMW DNA	2 rxn
740160.20	NucleoBond® HMW DNA	20 rxns