



CRC

for

Premium

Quality

Wool

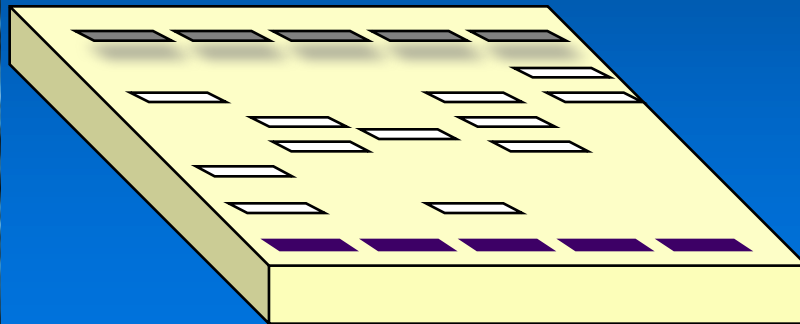
# Molecular Detection

Produced for the CRC for Premium Quality Wool undergraduate program by;  
Dr. Phil Vercoe, The University of Western Australia.



# Southern Hybridisation

Agarose gel



Nylon membrane



CRC

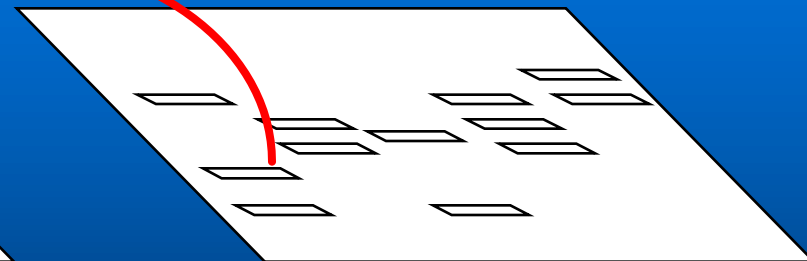
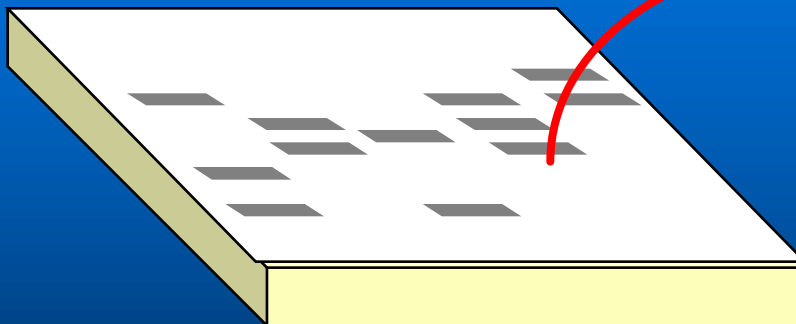
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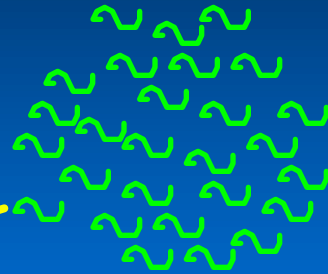
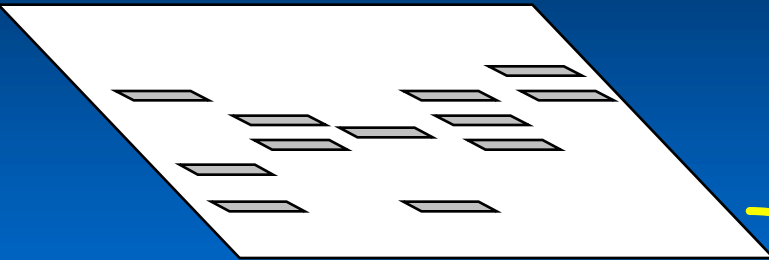
Transfer DNA to  
nylon membrane



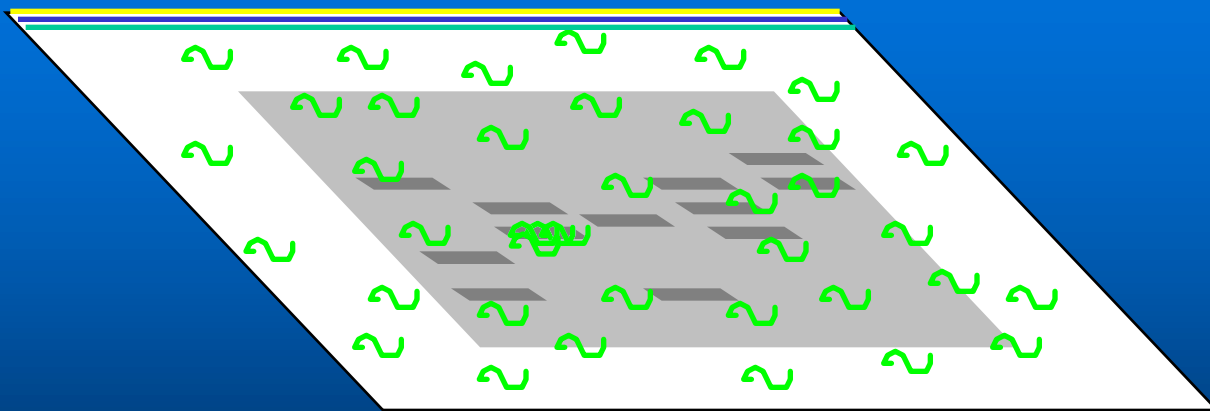


**Membrane with DNA**

**Radioactively labelled probe**



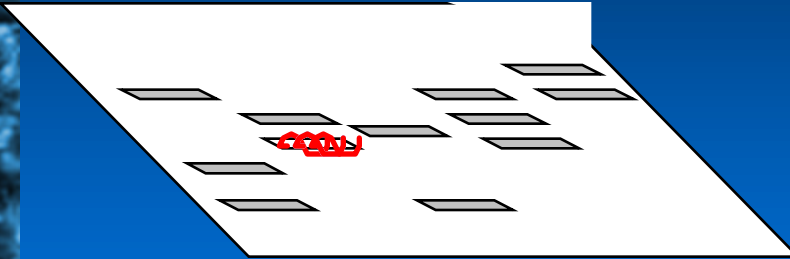
**Mix in a sealed plastic bag**



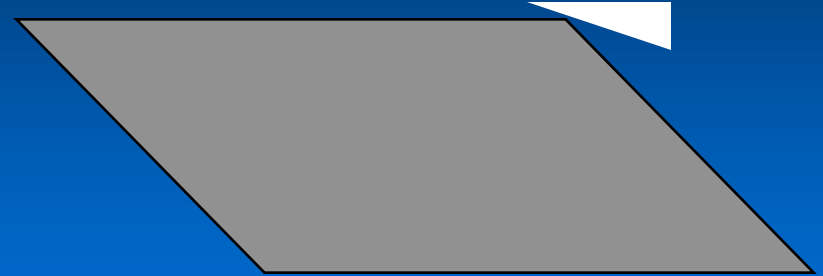
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**Membrane with hybridised probe**



**X-ray film**



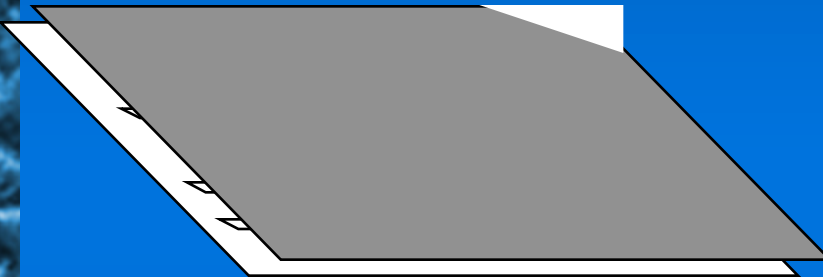
**CRC**

**for**

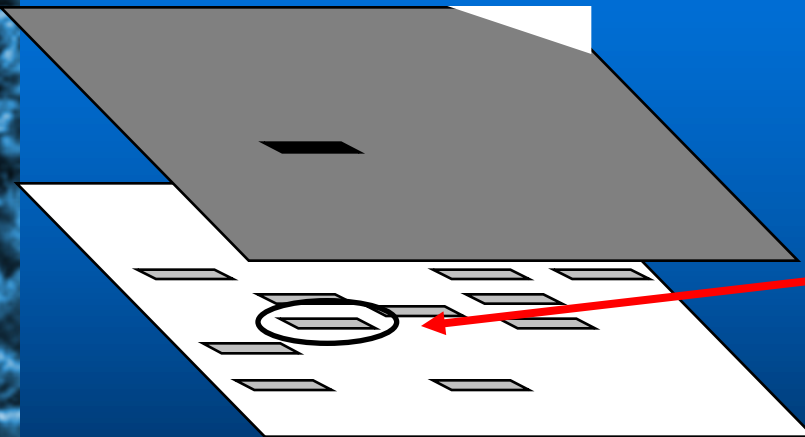
**Premium**

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**Overlay membrane with x-ray film**



**Develop x-ray film and align with membrane to identify the band that contains the target gene**