

Cuticle Structure

Produced for the CRC for Premium Quality Wool undergraduate program by; Dr. Janelle Hocking Edwards, The University of Western Australia.



Fibre cuticle

- layers of overlapping, flattened cells
- generally single-layered in wool
- involved in scale patterns



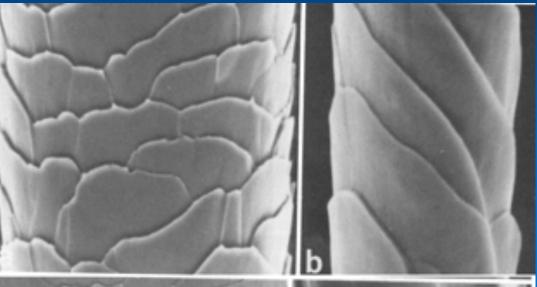
CRC

for

Premium

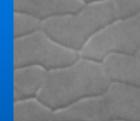
Cuticle scale patterns

Cape hunting dog

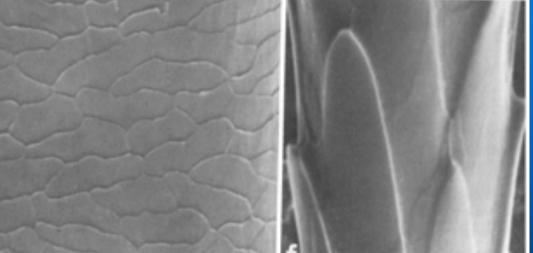


Red fox

Quality **Sloth** bear Wool



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Kincajou

Janelle Hocking Edwards Source: Montagna, W. and Parakkal, P.F., (1974)



Cuticle cell structure

Epicuticle

very high S layer

Exocuticle Endocuticle

S-rich layer

Cell membrane complex

CRC

for

Premium

Quality

Wool

Cortex

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