

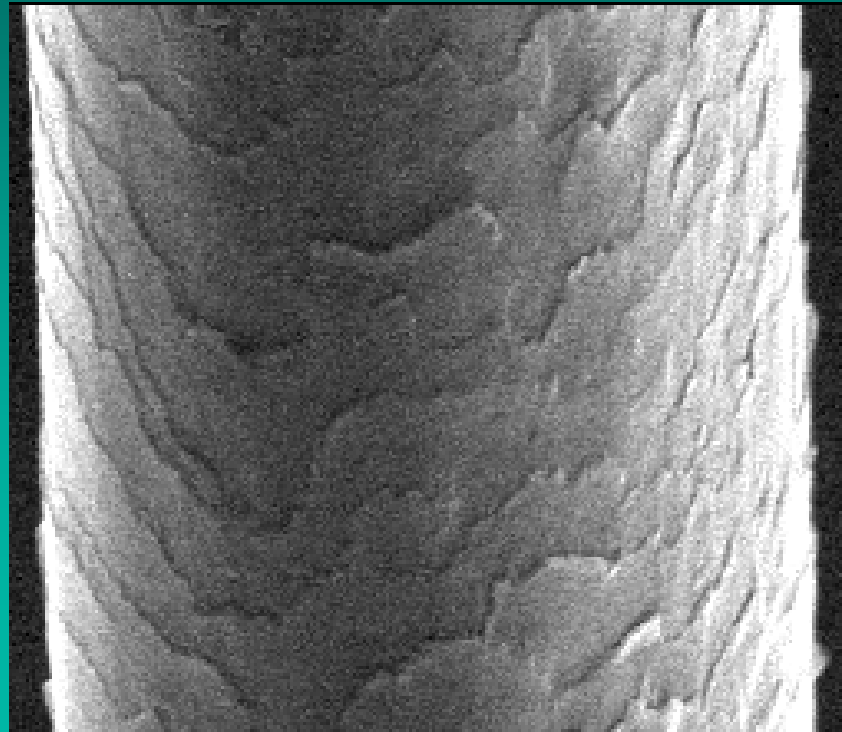
HAIR ANALYSIS

HAIR MORPHOLOGY

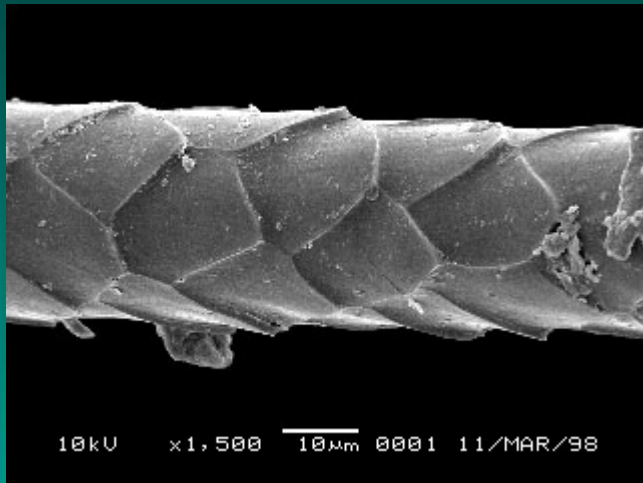
- FOLLICLE
- SHAFT
 - CUTICLE
 - CORTEX
 - MEDULLA

CUTICLE

- OVERLAPPING SCALES
 - KERATINIZED
 - FLATTENED



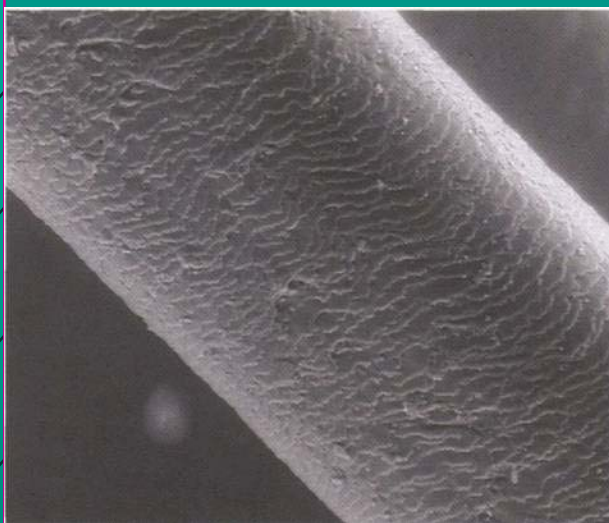
HAIR COMPARISON



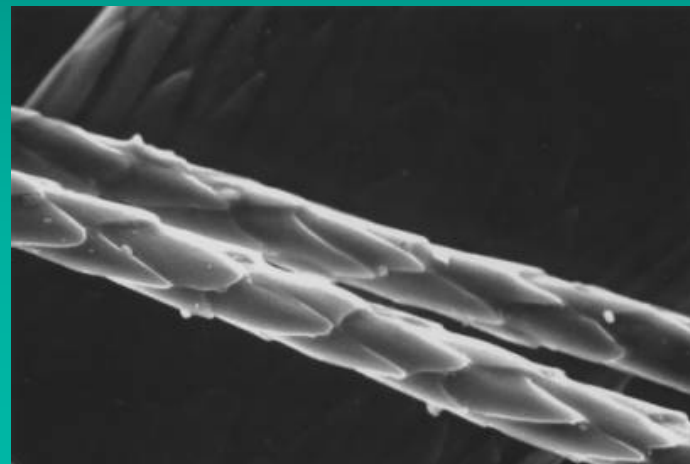
CAT



DOG



ORANGUTAN



RAT

CUTICLE EXAMINATION

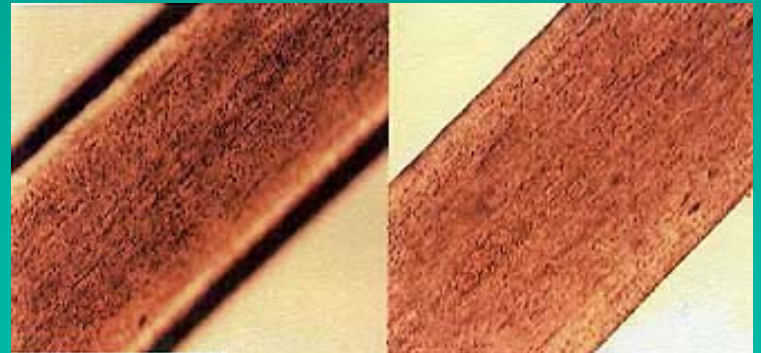
- MICROSCOPIC
- CAST
 - NAIL POLISH

CORTEX

■ CELLS

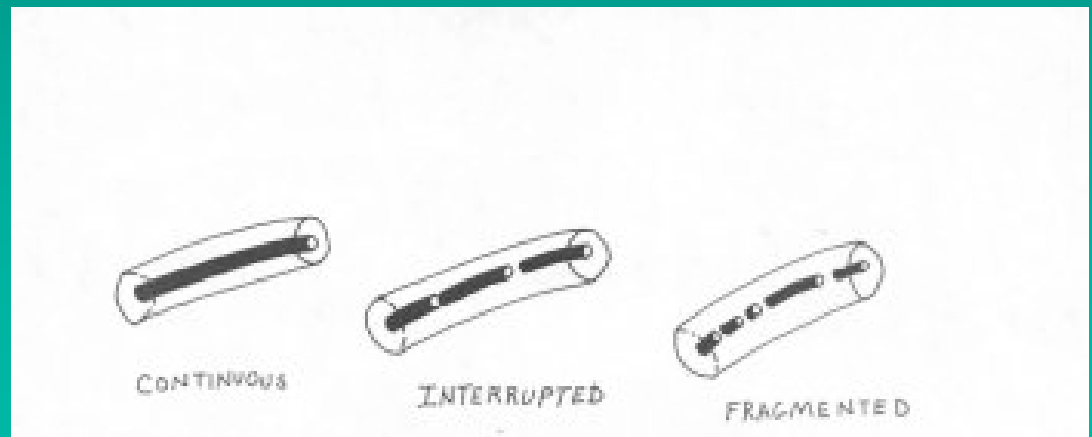
- SPINDLE SHAPED
- PARALLEL TO LENGTH
- PIGMENT GRANULES

- COLOR
- SHAPE
- DISTRIBUTION



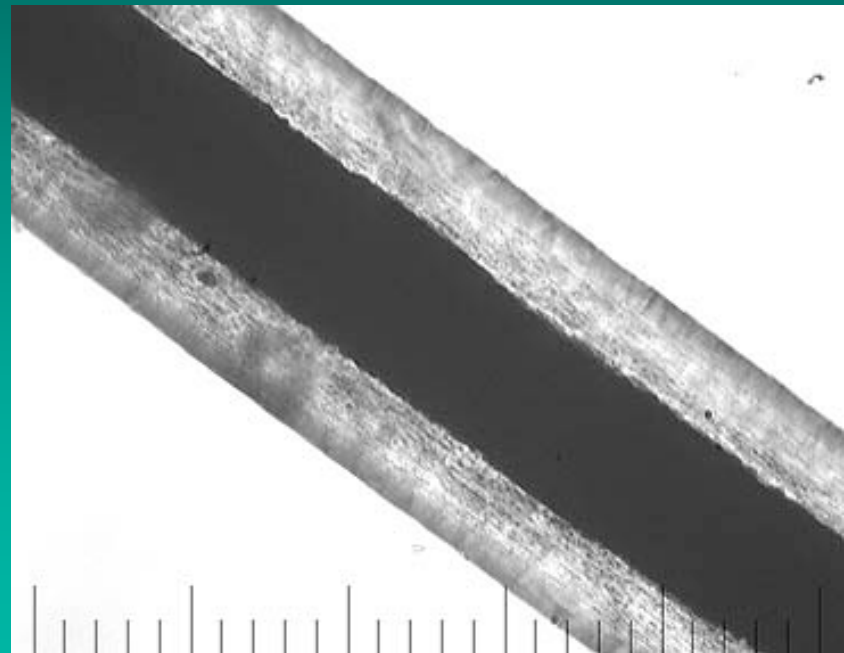
MEDULLA

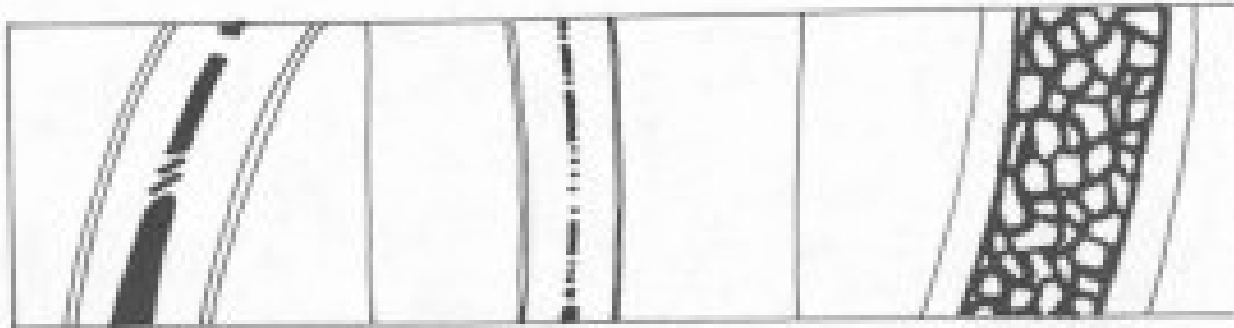
- CENTRAL CANAL
- PATTERNS
 - CONTINUOUS
 - INTERRUPTED
 - FRAGMENTED
- SHAPE



MEDULLARY INDEX

- MEDULLA/HAIR SHAFT DIAMETERS
- HUMANS $< 1/3$

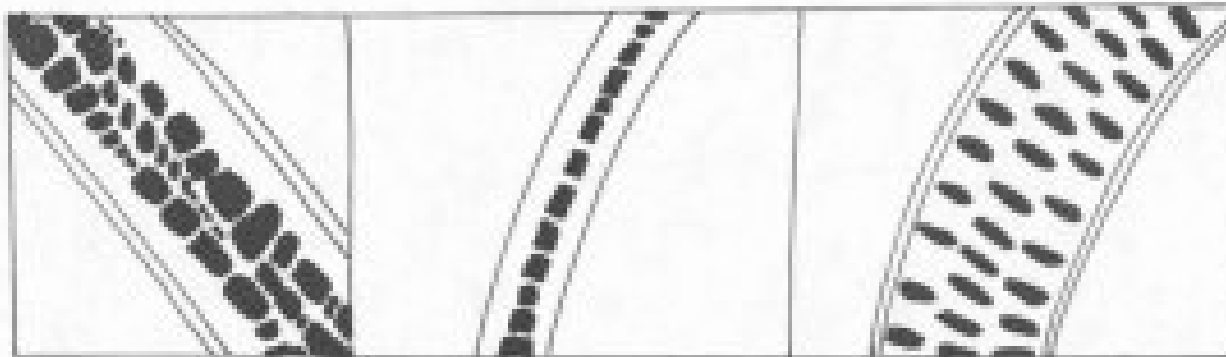




HUMAN

DOG

DEER



RABBIT

CAT

MOUSE