

Alpaca Fiber Testing USA

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SKIN BIOPSY TEST REPORT

Owner name: Christopher Powers

Alpaca name: Nayana

Fleece type, color and age at testing: Huacaya, White, 104 months

Date of test: 9 February 2009

Follicle density: 31.17 /mm²

Mean Fiber Diameter: 26.72 micron **Standard Deviation:** 3.77 micron

Co-efficient of Variation – Fiber Diameter (CVFD): 14 %

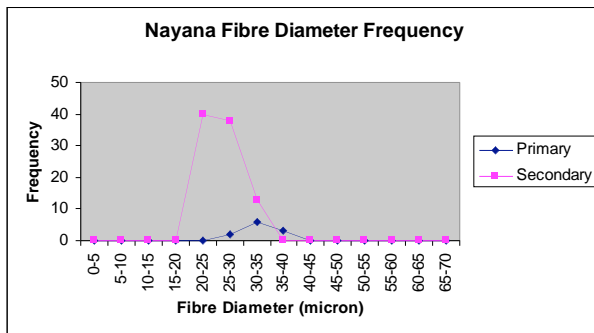
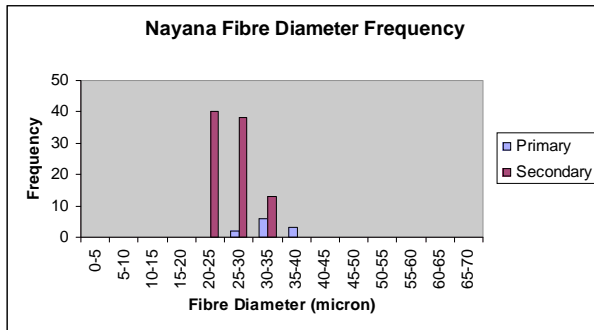
Secondary:Primary ratio (S:P): 9.1 : 1

Mean Fiber Diameter Primaries (Dp): 32.97 micron **Standard Deviation:** 2.97 μ

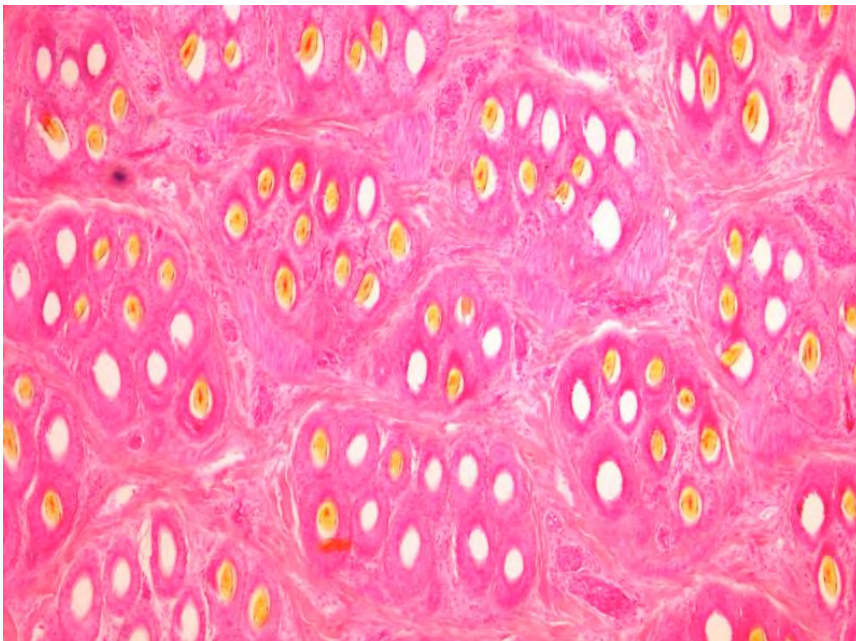
Mean Fiber Diameter Secondaries (Ds): 25.96 micron **Standard deviation:** 3.10 μ

Dp:Ds ratio: 1.27

Fiber Diameter Frequency Histogram:



Micrograph of skin section:



Comments:

An average density figure belies an otherwise quality fleece exhibiting excellent measurements including a narrow (for alpaca) fiber population differential of 7 micron and very good S.D's for both the primary and secondary fibers which is reflected in the Dp:Ds ratio of 1.27, one of the lowest we have recorded.

This is made all the more impressive due to the age of the female although this must be tempered by the expected migration of measurements toward the higher figures as the alpaca ages.

All in all, a very good example of an older foundation female of quality.

Ian Watt