

Alpaca Fiber Testing USA

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SKIN BIOPSY TEST REPORT

Owner name: Christopher Powers

Alpaca name: Olalla

Fleece type, color and age at testing: Huacaya, White, 39 months

Date of test: 6 February 2009

Follicle density: 39.86 /mm²

Mean Fiber Diameter: 25.88 micron **Standard Deviation:** 4.82 micron

Co-efficient of Variation – Fiber Diameter (CVFD): 19 %

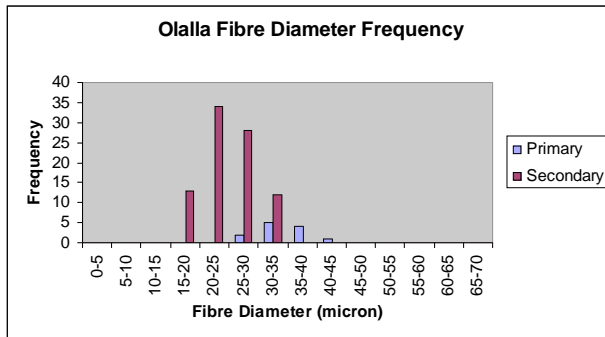
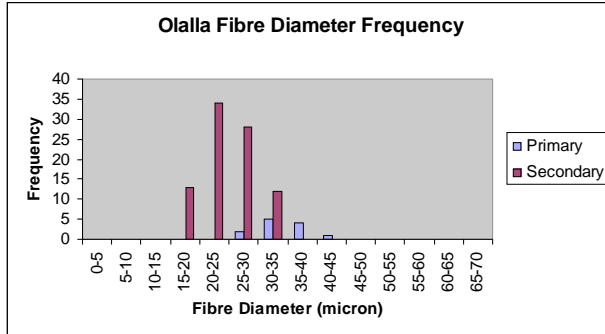
Secondary:Primary ratio (S:P): 9.8 : 1

Mean Fiber Diameter Primaries (Dp): 33.53 micron **Standard Deviation:** 4.19 μ

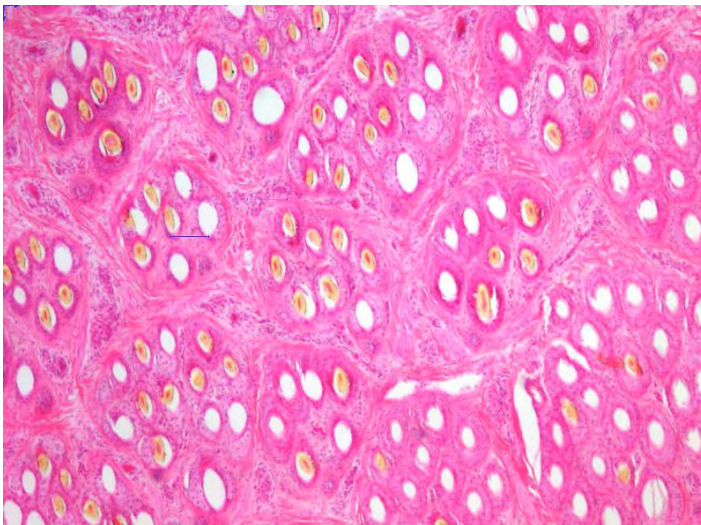
Mean Fiber Diameter Secondaries (Ds): 24.82 micron **Standard deviation:** 3.86 μ

Dp:Ds ratio: 1.35

Fiber Diameter Frequency Histogram:



Micrograph of skin section:



Comments:

The narrower than usual micron differential in the fiber population is an outstanding feature of this female well complimented by an above average density figure.

The S:P ratio is a little above the average which indicates that a sire with a better ratio would bring about improvement across the range of performance fiber figures.

Ian Watt