



Alpaca Consulting Services USA

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Skin Biopsy Report

The ORIGINAL 100% Alpaca Density Test™

Date of test: 23 January 2010

Alpaca Name: Miss Myra

Owner name and address: Powers Alpacas
Wellington CO

Alpaca breed: Huacaya

Alpaca age: 25 months

Alpaca color: Light Fawn

Alpaca sex: Female

Data details:

Density: 48.9 /mm²

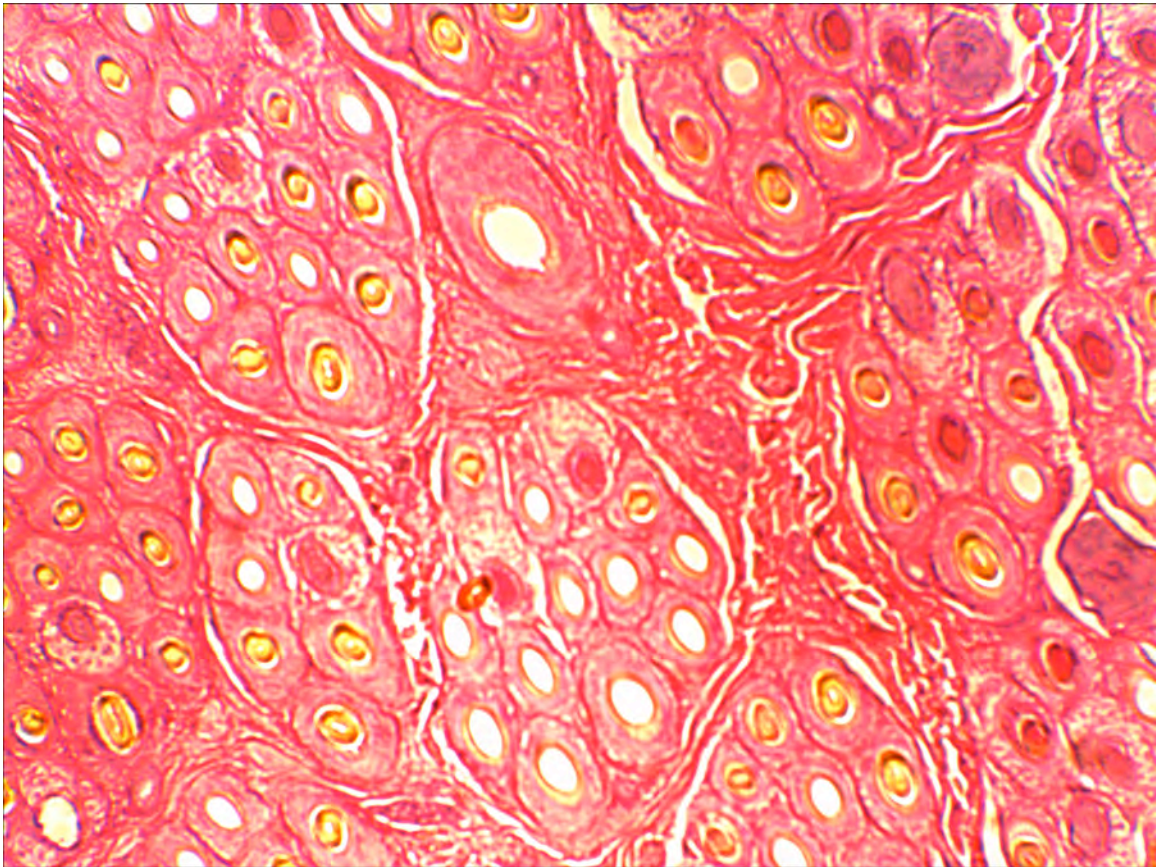
Secondary:Primary fiber ratio: 11.6 :1

In-skin mean primary fiber diameter: 26.1 μ Standard Deviation: 5.5 μ Range: 18.9 μ to 38.2 μ

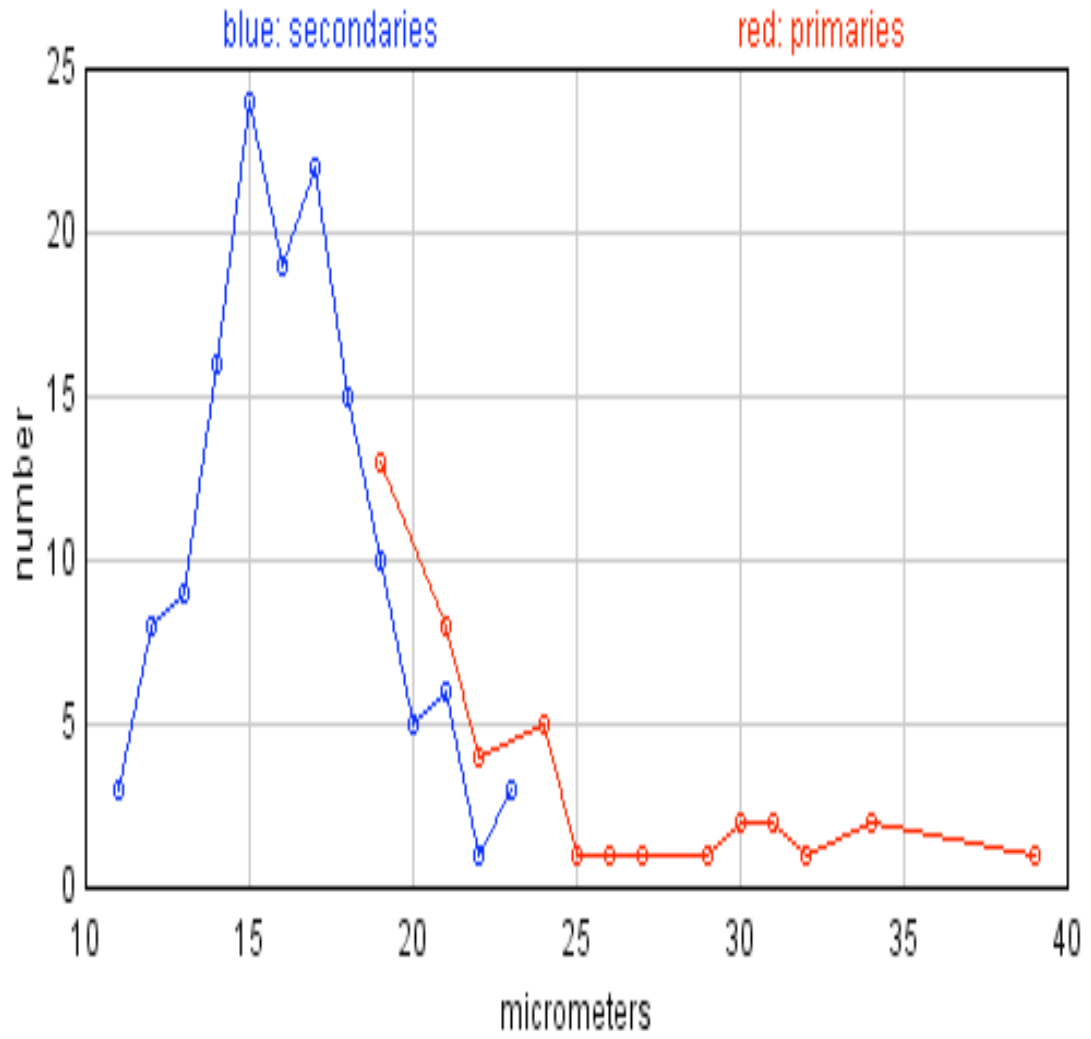
In-skin mean secondary fiber diameter: 16.3 μ Standard Deviation: 2.7 μ Range: 10.6 μ to 24.3 μ

Average Daily Fleece Growth: see OFDA 2000 report supplied separately

Sample biopsy photograph:



Fiber population histogram:



Comments:

Excellent density (among the best recorded to date for white female alpacas) and S:P ratio with an excellent standard deviation for the secondary fibers.

The fiber population differential is wider than usual for an animal of this type which could indicate that a remedial mating to a male of close density and S:P ratio and better differential might be a considered next step in the evolution of this line to elite status – certainly the foundations are strong enough to suggest this animal might make an excellent foundation female in an elite herd.

The results of this test are from a minimum 500 follicle count of a biopsy provided by the owner and processed by a national histology laboratory operating in California, USA, read through both a specifically adapted imaging program and laboratory operator, with the data moderated to account for shrinkage in the processing of the biopsy.

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