



Alpaca Consulting Services USA

Ian Watt
805 772 1774

info@alpacaconsultingusa.com

1540 San Bernardo Creek Road, Morro Bay California 93442

Skin Biopsy Report

The ORIGINAL 100% Alpaca Density Test™

Date of test: 13 May 2011

Alpaca Name: Adelina

Owner name and address: Powers Alpacas
Wellington CO

Alpaca breed: Huacaya

Alpaca age: 20 months

Alpaca color: Light Fawn

Alpaca sex: Female

Data details:

Density: 49.2 /mm²

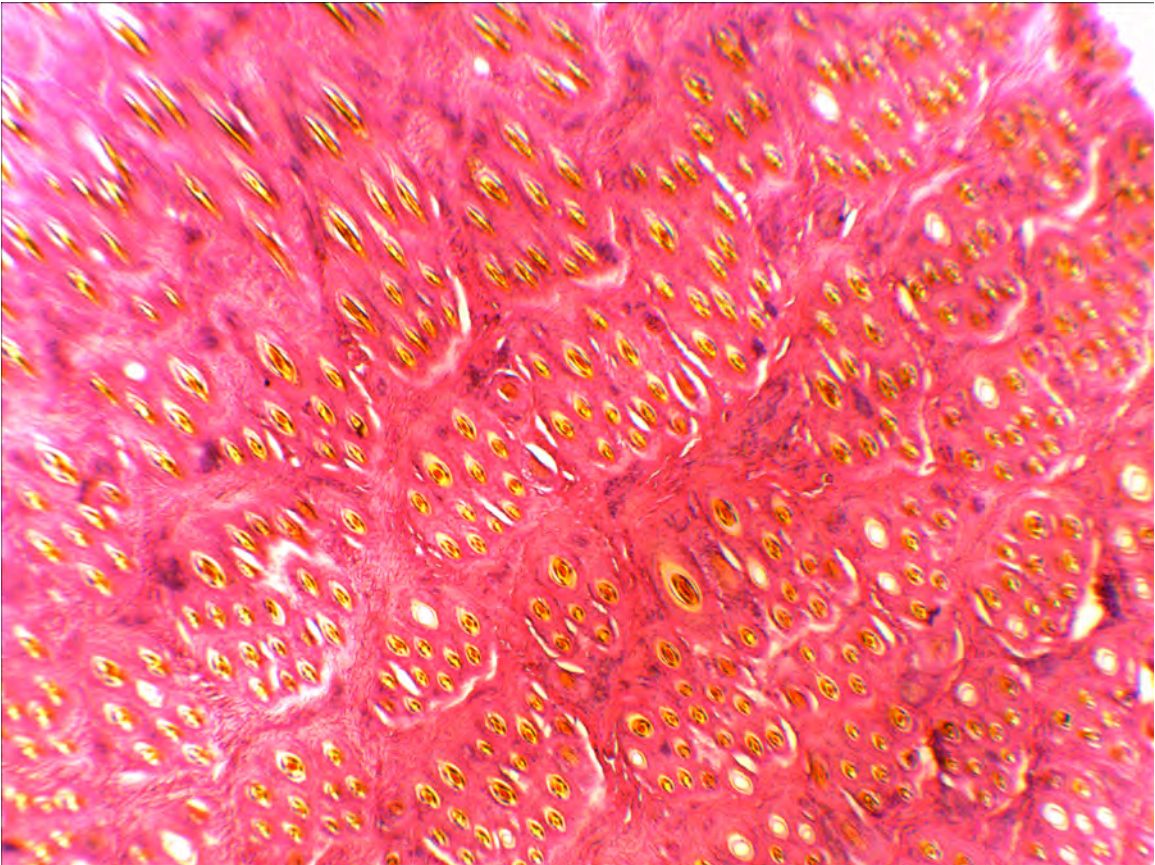
Secondary:Primary fiber ratio: 8.6 :1

In-skin mean primary fiber diameter: 26.3μ Standard Deviation: 4.2 μ Range: 20.1 μ to 37.2 μ

In-skin mean secondary fiber diameter: 17.2 μ Standard Deviation: 2.8 μ Range: 10.6 μ to 25.8 μ

Average Daily Fleece Growth: see OFDA 2000 report supplied separately

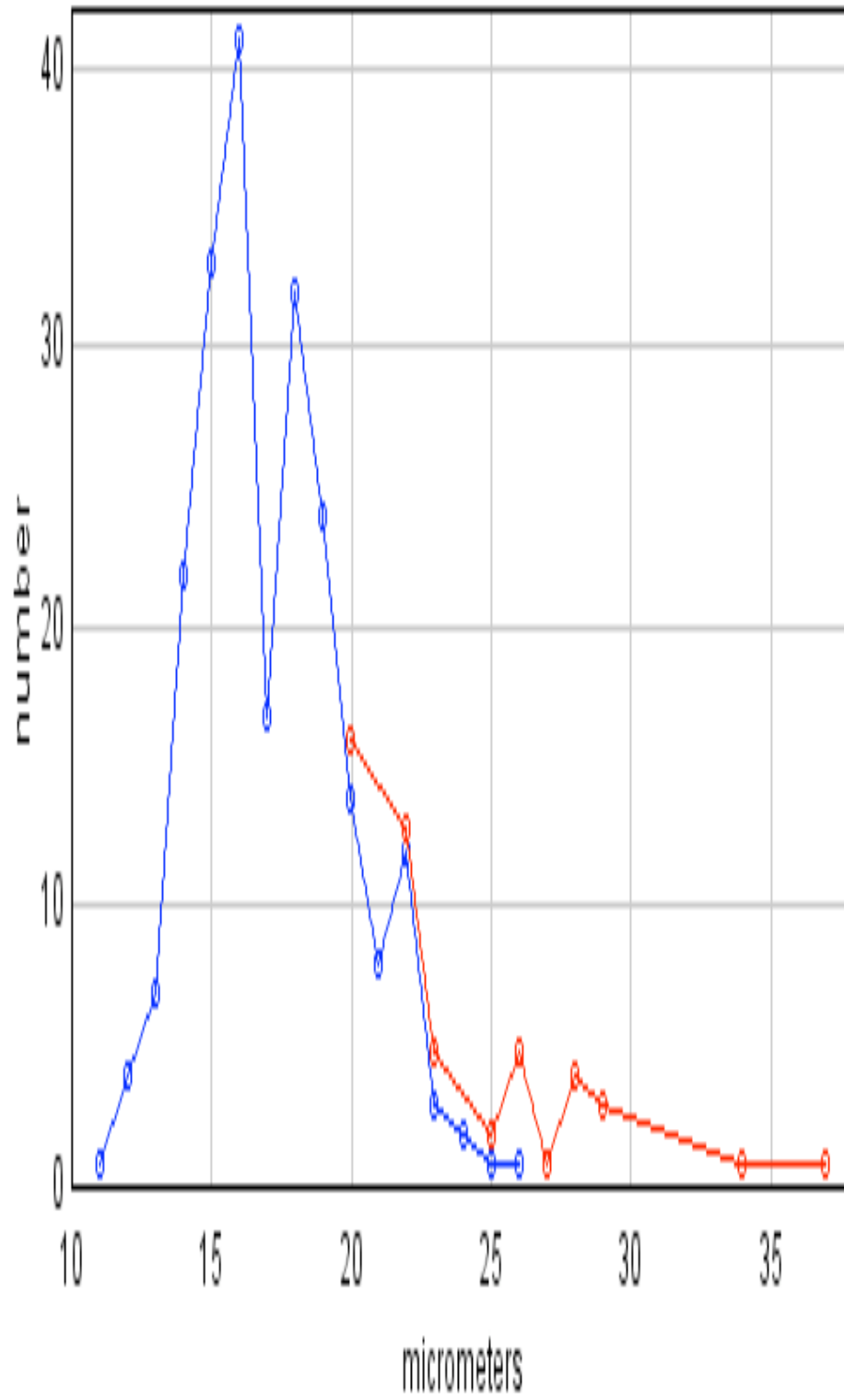
Sample biopsy photograph:



Fiber population histogram:

blue: secondaries

red: primaries



Comments:

A high quality female enjoying very good density and well supported by a good fiber population differential though the S:P ratio could be better.

An improvement in the S:P ratio would see a parallel improvement in the SD for the primaries and this option should be considered as the single most important selection trait for any sire put over this animal.

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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