

METHODS

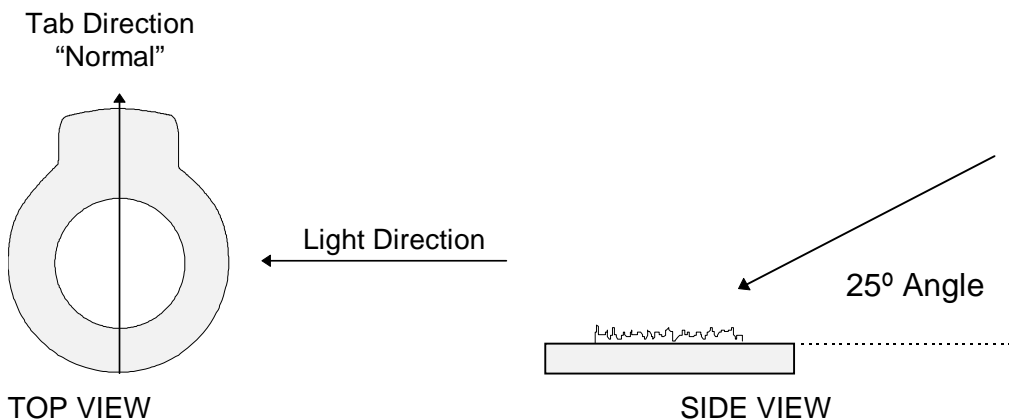
Equipment

PC: IBM compatible Pentium III 500Mhz with math co-processor and 1 gb memory running under Windows 2000.

Video: Sony solid state B&W camera, 50mm lens/40mm extension, Coreco Ultra II frame grabber.

Software: OPTIMAS v6.5, Microsoft EXCEL, StatSoft STATISTICA.

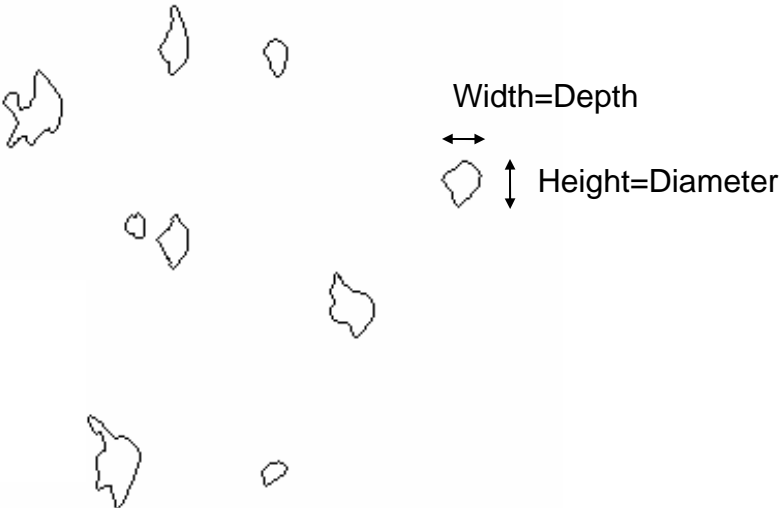
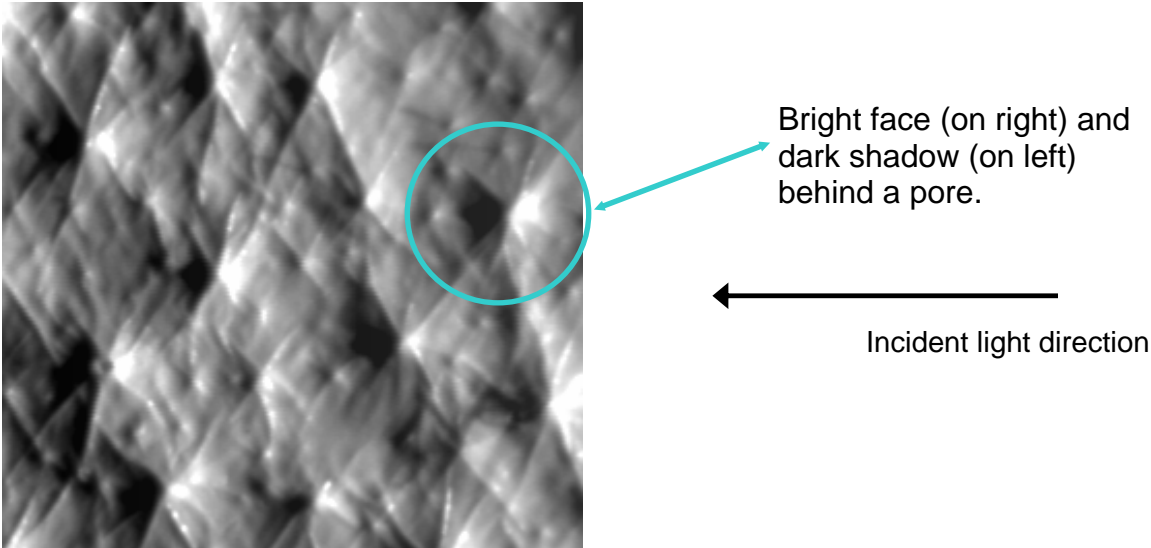
Lighting: Collimated light source directed at a 25° angle from the plane of the replica. The replica was placed in a holder that allowed rotation of the replica away from the initial "NORMAL" orientation in the path of the collimated light beam in order to enhance the shadows cast by the pores. The replicas were taken from the face adjacent to the nose with the tab direction pointing toward the top of the head.



PORE ANALYSIS

The shadows produced by the oblique lighting of the pores in the negative replica were analyzed by calculating the number, area, width and height of the detected shadows in a standard (approximately 8mm x 9mm) field of the image.

The “ideal pore” is a cone shaped depression in the skin. In the skin replica, this ideal pore will produce a conical “bump” similar to a small pimple. The dimension of the shadow measured normal to the incident light direction is a measure of the pore diameter, the dimension parallel to the incident light direction is a measure of the pore depth. A typical pore image is shown below.



The data consists of the total number, and the mean Diameter, Depth, and Area measured from the detected pore shadows in the sampling area.



ANALYSIS PRICING

DATA ONLY: Option A (see *REPORTING below*)-

CuDerm mounted standard circular replicas skin texture or pore assay \$6.50 per replica, Option B- \$7.00 per replica.

REPORTING

Option A -- Listing of data for each sample.

Option B – Listing of data for each sample plus the analytical images are archived at BioNET for one year.

PC compatible CD-ROM with all images, data tables and reports archived, add \$200.

FULL REPORT/Simple Statistics: basic report including one grouping variable- \$700 for standard replica assay. For each additional grouping analyzed, add \$250. For “percent change” or “percent improvement from baseline” calculations, add \$250.

INTERIM REPORTS: Simple “top line” statistics computed on data prior to study completion (e.g. midpoint data)—add \$250 per time point.

PRICING EXAMPLES with full report

Standard Replicas: 100 samples representing 2 treatments at 2 time points (i.e. 2 grouping variables, treatment and time), analysis and complete report using **option A** will cost \$650 for the image analysis plus \$950 for the full report for a total of \$1600.00, **option B** will cost \$700 for the image analysis and \$950 for the full report for a total of \$1650.00, **with CD-ROM archive** the total cost is \$1850.00.

