

# accuDEXA

by SCHICK TECHNOLOGIES, INC.

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## You can create a better future if you offer a better future

Modern medicine has made great strides recently in the fight against low bone density. Low bone density is associated with a variety of conditions, including osteoporosis. Lately, much has been learned about osteoporosis and its debilitating effect on the population. Remarkable new drugs and therapies are available to help reverse the effects.

### In-office testing is now a realistic option

The accuDexa Bone Mineral Density (BMD) Assessment System makes possible a better future for millions by providing quick, convenient, and economical aid in determining fracture risk.



### Early Treatment is the best Treatment

The speed and simplicity of the exam brings convenience to the operator, and comfort to the patient. Its cost-effectiveness makes it possible for all doctors to offer this essential procedure to at-risk patients, even before early symptoms manifest.

### Proven Technology, Easy Diagnosis -- In Your Office

The compact size of the accuDexa enables the exam to take place in your office; not at an unfamiliar, off-site location. The fact that there is no need for the removal of garments or the application of gels, results in faster and more comfortable exams. A patented, ultra-sensitive digital imaging sensor provides BMD assessment in seconds, using Dual Energy X-ray Absorptiometry (DEXA), the industry standard for assessing BMD.

### Operator Simplicity

After placing the patient's hand in the unit, just follow a simple set of commands in the view screen and you have the results in 30 seconds.

### Reliable Results

The machine assesses the phalanx of the middle finger. This BMD value is a relative indicator of bone density elsewhere in the body. AccuDEXA BMD estimates can also be used as an aid to the physician in determining fracture risk. Phalangeal density tests have shown in studies with Radiographic Absorptiometry to be more predictive than both forearm and spine BMD tests in predicting vertebral deformity.

#### accuDexa Facts:

- **Ease of use** - Intuitive design, quick and easy navigation through on screen prompts and menus.
- **Small Footprint** - Requires less than 0.6 meter of counter space and weighs less than 32 kgs.
- **Low radiation** - Effective radiation to patients is a low 0.0003 uSv, just 1/150,000th of a chest X-ray.
- **High Precision** - Patient precision error is less than 1%.
- **Track bone changes in patients** - It's so precise, it can detect small fluctuations in bone density.
- **Maintenance free** - No routine maintenance is required.
- **Highly correlated with other proven technologies**  
Bone mineral content, assessed by accuDEXA, correlated strongly ( $0.80 < r < 0.94$ ) with bone mineral content of the hand and forearm regions assessed by DXA, SXA, and RA.

### Schick Technologies: A Leader in Digital Diagnostics

Since 1992, Schick Technologies has been a pioneer in digital imaging. The company designs and manufactures every one of its products in the USA. It's committed to the diagnostic potential of digital technology, and stand by every system it sells with the best in service and support.

# Sample Report

## accuDEXA BONE DENSITOMETRY REPORT

Date: 12/27/99 01:13 PM

Version 1.30 (04/20/99) Unit # 26077 Sensor # 4116

Patient ID	1234567890
Gender	Male
Age	45 years
Ethnicity	Caucasian

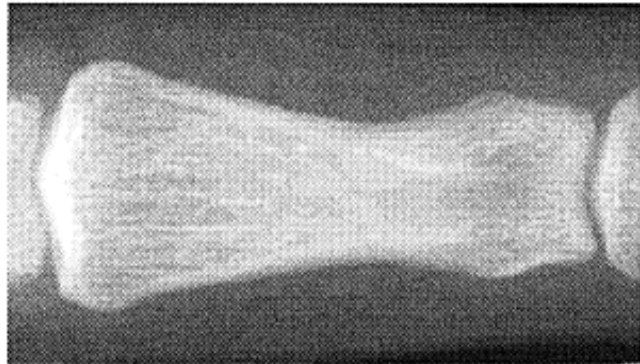


Image not for diagnosis

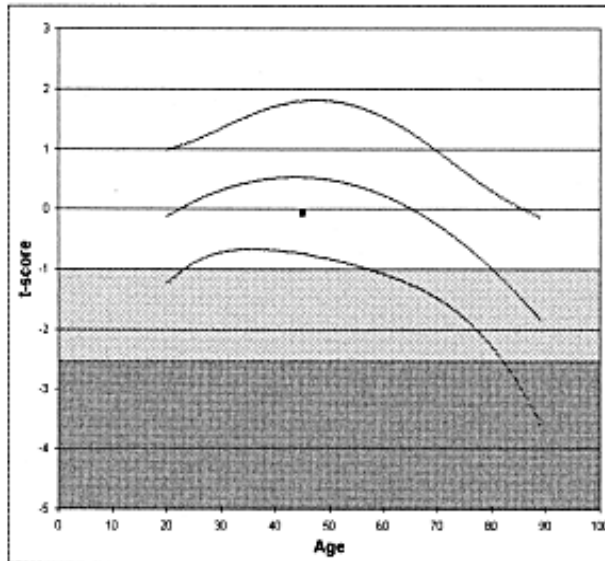
Calibration status: Passed

### BMD Test Results

BMC	2.129 g
Area	3.603 cm <sup>2</sup>
BMD	0.591 g/cm <sup>3</sup>

z-score	-0.5	95%	Age-matched BMD
t-score	-0.1	99%	Relative to YHN
Analysis	Normal		Based on WHO guidelines

### Male Caucasian reference curve



### Legend

t score	Analysis
$t > 1$	High BMD
$1 \geq t \geq -1$	Normal
$-1 > t > -2.5$	Osteopenia
$t \leq -2.5$	Osteoporosis

