

**PACKAGE ID** - 001176IB48600 CNP

**KWIC TITLE** - Cervical Neoplasia Probe Control

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**LIMITATION CODE** -COPY                   **AUDIENCE CODE** - LIM

**COMPLETION DATE** - 05/17/1995   **PUBLICATION DATE** - 05/17/1995

**DESCRIPTION** - This software, which consists of a main executive and several subroutines, performs control of the optics, image acquisition, and Digital Signal Processing (DSP) of this image, of an optical based medical instrument that performs fluorescence detection of precancerous lesions (neoplasia) of the human cervix. The hardware portion of this medical instrument is known by the same name Cervical Neoplasia Probe (CNP)

**PACKAGE CONTENTS** - Media Directory; Software Abstract; Software Flow Diagram; Media Includes Source Code, Executable Module, Auxiliary Material, Program Flow Diagram;

**SOURCE CODE INCLUDED?** - Yes

**MEDIA QUANTITY** - 1 3.5 Diskette

**COMPUTER** - IBM PC 486

**OPERATING SYSTEMS** - MS Windows 3.1X

**PROGRAMMING LANGUAGES** - G (National Instruments LabVIEW version 3.1.X)

**SOFTWARE LIMITATIONS** - Disk space and computer RAM are limiting factors.

**SOURCE CODE AVAILABLE (Y/N)** - Y

**HARDWARE REQS** - National Instruments AT-MIO-16XE-10 data acquisition board; minimum of 16 MB of RAM; minimum 640x480x256 color display.

**TIME REQUIREMENTS** - Program is highly interactive, so run time will mostly depend on clinical procedure.

**ABSTRACT STATUS** - Submitted 8/8/97 Released AS-IS 10/16/97

**SUBJECT CLASS CODE** - Y

**KEYWORDS** -  
COMPUTER PROGRAM DOCUMENTATION  
C CODES  
ORGANS  
DATA ACQUISITION

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SOFTWARE ABSTRACT

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DATA ACQUISITION SYSTEMS

**EDB SUBJECT CATEGORIES** -  
990200 560152 560120 550602

**SPONSOR** - DOE/DP

**PACKAGE TYPE** - AS - IS