# Table of Contents

## Introduction
- How It Works .......................................................... 1-1
- Background .................................................................. 1-2
- Research ..................................................................... 1-2

## Installation
- What You Need .......................................................... 2-1
- Potential Conflicts with Other Software ....................... 2-1
- Updating an Existing Installation ................................ 2-1
- Installing the CALCAP on Your Hard Disk ..................... 2-1
- Windows Installation Procedures .................................. 2-1
- DOS Installation Procedures ....................................... 2-2
- Installing an Updated Version of the CALCAP Program .. 2-2
- Installing Multiple Program Drivers for the CALCAP Program .................................................. 2-3
- Installing Foreign Language Versions of the CALCAP Program .................................................. 2-3
- Code Page Adjustments for Norwegian and Danish Versions .................................................. 2-3
- Site Identification Codes ........................................... 2-4
- Removing Old Versions of the CALCAP Program ......... 2-4

## CALCAP Test Materials
- Standard Edition ....................................................... 3-1
- Abbreviated Version ................................................... 3-2
- Mini Version ................................................................ 3-2
- Customized Versions .................................................. 3-2

## Task Administration
- Setting Up the Room .................................................. 4-1
- Starting the CALCAP Program ...................................... 4-1
  - Entering Identification Numbers and Demographic Information .............................................. 4-1
  - Instructions to the Subject ....................................... 4-1
- While the CALCAP Program is Running
  - Instructions for Subjects Who are Unable
    to Complete the Practice Trials ................................. 4-2
  - Feedback During the CALCAP Task .......................... 4-3
  - Controlling the Music ............................................. 4-3
  - Skipping Specific Tasks .......................................... 4-3
  - Aborting the CALCAP Program ............................... 4-3
- End of the CALCAP Program ....................................... 4-3
  - Viewing Exam Results ........................................... 4-3
  - Printing the Results .............................................. 4-4
  - Re-Starting the CALCAP Program .................. .. ....... 4-4
  - Exiting the Program ............................................... 4-4
- Reviewing Results at a Later Time ............................... 4-4
Computerized screening for HIV-related cognitive decline in gay men: Cross-sectional analyses and one-year follow-up (Miller et al., 1989) . . . F-7
Use of computerized reaction time in the assessment of dementia (Miller, 1992) ............................................................... F-9
The effects of sociodemographic factors on reaction time and speed of information processing (Miller et al., 1993) ......................... F-10
Cognitive testing using reaction time and traditional neuropsychological procedures (Miller, 1995) ........................................ F-12
The use of computer-based measures of complex reaction time in depressed HIV-1 infected patients (Halman et al., 1995) ............ F-13
Cognitive Performance During Long-Term Respirator Wear While at Rest (Caretti, 1997) ............................................................. F-14
Neuropsychological Function in Patients with Increased Serum Levels of Protein S-100 After Minor Head Injury (Waterloo et al., 1997) .... F-15
Neuropsychological Performance and HIV-1 in Ethnic Minority Samples of Women and Men (Durvasula et al., 1998) ...................... F-16