

**PACKAGE ID** - 001084SPARC00 DB DATA ENTRY

**KWIC TITLE** - Programs for Entering Data into the SBH  
Database

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

**COMPLETION DATE** - 08/01/1993   **PUBLICATION DATE** - 08/01/1993

**DESCRIPTION** - DB DATA ENTRY is a suite of programs that enable entry of data into the DB SBH database in batch mode. The front-end consists of the DBI and DBA programs, which are written in UNIX-shell style and a set of Sybase Transact-SQL stored procedures. The programs facilitate entry of the complete record of hybridization experiments, including the information about distribution of clones on microtiter plates, distribution of plates on filters, probe names and sequences, hybridization intensities, scanning, image analysis, etc.

**PACKAGE CONTENTS** - Media Directory; Software Abstract; Media Includes Source Code;

**SOURCE CODE INCLUDED?** - Yes

**MEDIA QUANTITY** - 1 3.5 Diskette

**METHOD OF SOLUTION** - The Sybase Transact-SQL stored procedures and the UNIX-shell style front end C programs.

**COMPUTER** - SUN SPARC

**OPERATING SYSTEMS** - Sun UNIX

**PROGRAMMING LANGUAGES** - SQL, C, and C++

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

**UNIQUE FEATURES** - Data entry scripts can be generated automatically at the point of data production (robots, hybridization machine, scanning machine), so that in the future the data flow from the wet lab into the database can be fully automated.

**RELATED SOFTWARE** - DB SBH, DB SBH VIEW, and DB LIB.

**OTHER PROG/OPER SYS INFO** - DB DATA ENTRY requires the Sybase db-library, standard publicly available C and C++ libraries, as well as publicly available modules that are included in the lib, libm, and libf libraries.

**HARDWARE REQS** - Standard Sun workstation configurations.

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**TIME REQUIREMENTS** - Data loading proceeds quickly for annotation (tens of rows per second) and slightly slower for hybridization intensities (a few seconds per hybridization).

**ABSTRACT STATUS** - Submitted 4/4/96. Released AS-IS 7/15/96.

**SUBJECT CLASS CODE** - Y

**KEYWORDS** -

COMPUTER PROGRAM DOCUMENTATION  
D CODES  
DATA PROCESSING  
MOLECULAR BIOLOGY  
DNA SEQUENCING  
GENOME MUTATIONS  
DATA ANALYSIS

**EDB SUBJECT CATEGORIES** -

990200 550400 550200

**SPONSOR** - DOE/EH

**PACKAGE TYPE** - AS - IS