

SHARE PROGRAM LIBRARY AGENCY



PROGRAM NUMBER

067028

University of Miami

1365 MEMORIAL DRIVE - CORAL GABLES, FLORIDA
(305) - 284-6257

SHARE PROGRAM LIBRARY SUBMITTAL FORM

SHARE PROGRAM LIBRARY AGENCY
Triangle Universities Computation Center
Post Office Box 12076
Research Triangle Park, North Carolina
27709 USA

SPLA CONTROL NUMBER: **207**

This form should be completed and submitted with the program package to the SHARE Program Library Agency at the address shown above. Standards and instructions for submitting programs are in the "SHARE Reference Manual".

- (1) Program Number (to be filled in by SPLA)..... **360D-06.7.028**
- (2) System Type (machine)..... Any system with Fortran IV or PL/I compiler
- (3) Search Key..... Select sequential file counts
Fortran PL/I
- (4) Programming Systems/Languages..... Fortran G or PL/I
- (5) Author's Name and Address..... Doron Steger & Gunnar Gruvaeus
- Doron Steger
- Hoechst-Roussel Pharmaceuticals, Inc.
Route 202-206 North
Somerville, NJ 08876
- (6) Direct Technical Inquiries to Name & (if different than Author)
- (7) Title of Program..... Select Program
- (8) Submitter's Installation Membership Code..... SWI
- (9) Submitter's Own Program Identification and Suffix (Optional)..
- (10) Primary Subject Code..... 06 7
- (11) Minimum System Requirements 90K and a Fortran IV or PL/I compiler
- (12) New or Revision Code (if revision, show prior Program Number in Item 1) N
- (13) Year Completed..... 1975
- (14) Date of Submittal..... 10/20/76
- (15) Documentation (number of original pages submitted)..... Machine readable only
- (16) Abstract (should contain sufficient information for a reader to determine the value of the program). Listed on the reverse side of this form are subjects which may serve as a guide for a descriptive abstract.

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Subject Guide:

- a. Purpose
- b. Programming Language used
- c. Version and modification level or release number
- d. Field of application
- e. Type of routine (main program, subroutine, etc.)
- f. Specific description of machine requirements

ABSTRACT

In cases where many programs make use of the same data, it is as a rule both difficult and inefficient to maintain a separate data file for each program and instead only a complete data file is made available. The Select Program was developed to act as an interface between such a data structure and programs that will analyze this data. Select logically partitions any fixed length record sequential file according to user specifications and then selects those portions of data which are specific to the requirements of the user program. Select also provides counts of various breakdowns of the data (number of groups, number of cases in each group, etc.). The user describes fields used by Select by supplying position and length of the field within the data, thus eliminating the need for a data base dictionary.

(Please attach additional pages if necessary).....Total pages attached _____

Permission to Publish

"I hereby give the SHARE Program Library Agency permission to reprint, reproduce, and distribute this program."

- (17) Signature of Submitter and Date [Signature] 10/2/76
- (18) Signature of Installation Addressee S. M. [Signature] 10/2/76

360D-06.7.028

Tape contains the following files: DCB=(RECFM=VB, LRECL=137,
BLKSIZE=763)

- File 1 - Introduction to the Select III and
Select IV Programs 26 BLOCKS (BLKSIZE=763)
- File 2 - Select IV Write-Up 105 BLOCKS (BLKSIZE=763)
- File 3 - Select IV Source 78 BLOCKS (LRECL=80, BLKSIZE=800)
- File 4 - Select IV Control Cards 5 BLOCKS (LRECL=80, BLKSIZE=800)
- File 5 - Test Data for the Select III and
Select IV Programs 21 BLOCKS (LRECL=80, BLKSIZE=800)
- File 6 - Select IV Test Output 45 BLOCKS (RECFM=VB)
- File 7 - Select III Write-Up 61 BLOCKS (LRECL=80, BLKSIZE=800)
- File 8 - Select III Source 31 BLOCKS (LRECL=80, BLKSIZE=800)
- File 9 - Select III Test Problem Control Cards 6 BLS (L=80, B=800)
- File 10 - Select III Test Output 355 BLOCKS (BLKSIZE=763)

SPLA 11/1/76