

```
1  $PROBLEM Singledose i.v bolus-linear effect (PKPD) ;DATE 6-2-04 PROGRAMMER:XXXX
2                                          ;Dose=100mg or 250mg
3                                          ;UNITS: Time=hour,
4                                          ;Plasma concentration=ug/ml
5                                          ;Effect = ug/ml
6
7  $DATA iv1pkpdest_lin.csv IGNORE=C
8
9  $INPUT ID TIME AMT EFF=DV CLI VI
10
11 $SUBROUTINE ADVAN1 TRANS2
12
13 $PK
14     CL = CLI                ; Individual Clearance in L/hr
15     V  = VI                ; Individual Volume of distribution in L
16     S1 = V
17
18 $ERROR
19     SLOPE = THETA(1)*EXP(ETA(1))
20     CP    = F
21     E     = SLOPE*F
22     IPRED = E
23     Y     = E*EXP(ERR(1))
24
25 $THETA (0.1,2)                ;POPSL
26
27 $OMEGA 0.09                    ;BSVSL
28
29 $SIGMA 0.0025                  ;Proportional error = 5%
30
31
32 $ESTIMATION METHOD=0 MAXEVAL=9990 PRINT=10 POSTHOC
33 $COVARIANCE
34
35 $TABLE ID TIME DV IPRED CP
36 NOPRINT ONEHEADER FILE=IV1PKPDEST_LIN.FIT
37
```