

```
1  $PROBLEM ONE COMPARTMENT ORAL                ;DATE = 6/2/04 PROGRAMMER=XXXX
2                                                ;Units: Time=hr, Concentration=ug/ml,
3                                                ;Dose = 100mg or 250mg
4                                                ;CL/F = L/hr; V/F = L
5
6  $DATA ORALEST_PAR.CSV IGNORE=C
7
8  $INPUT ID TIME CONC=DV AMT DOSE MDV
9
10 $SUBROUTINE ADVAN2 TRANS2
11
12 $PK
13     CL = THETA(1)*EXP(ETA(1))    ;CL/F
14     V  = THETA(2)*EXP(ETA(2))    ;V/F
15     KA = THETA(3)*EXP(ETA(3))    ;Absorption rate constant
16
17     S2 = V                        ;Scaling factor
18
19
20 $ERROR
21     IPRED=F
22     Y=F+F*ERR(1)+ERR(2)
23                                     ;Additive and proportional residual error model
24
25 $THETA (1,10)    ;POPCL/F
26 $THETA (1,30)    ;POPV/F
27 $THETA (0.1,3)   ;POPKA
28
29 $OMEGA 0.09      ;BSVCL/F
30 $OMEGA 0.09      ;BSVV/F
31 $OMEGA 0.09      ;BSVKA
32
33 $SIGMA 0.01      ;ERRCV
34 $SIGMA 1         ;ERRSD
35
36 $ESTIMATION METHOD=0 MAXEVAL=9999 PRINT=5 POSTHOC
37 $COVARIANCE
38
39 $TABLE ID TIME DV IPRED DOSE
40     NOPRINT ONEHEADER FILE=ORALEST_PAR.FIT
41
42
```