

```
1  $PROBLEM ONE COMPARTMENT ORAL with lagtime      ;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 ORALESTLAG_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   ALAG1   = THETA(4)*EXP(ETA(4))      ;Lag time
17
18   S2 = V                                ;scaling factor
19
20
21 $ERROR
22   IPRED=F
23   Y=F+F*ERR(1)+ERR(2)
24                                     ;Additive and proportional residual error model
25
26 $THETA (1,1)          ;POPCL/F
27 $THETA (1,10)         ;POPV/F
28 $THETA (0.1,3)        ;POPKA
29 $THETA (0.01,1)       ;POPALAG
30
31 $OMEGA 0.09           ;BSVCL/F
32 $OMEGA 0.09           ;BSVV/F
33 $OMEGA 0.09           ;BSVKA
34 $OMEGA 0.09           ;BSVALAG
35
36 $SIGMA 0.01           ;ERRCV
37 $SIGMA 1              ;ERRSD
38
39
40 $ESTIMATION METHOD=0 MAXEVAL=9999 PRINT=5 POSTHOC
41 $COVARIANCE
42
43 $TABLE ID TIME DV IPRED DOSE
44   NOPRINT ONEHEADER FILE=ORALESTLAG_PAR.FIT
45
46
```