

\$PROBLEM PK

\$INPUT C ID PMA DV

\$DATA Data.CSV IGNORE=C

\$PRED

CLMT=THETA(1)*EXP(ETA(1)) ; CLMT= CLmatured, CL at fully matured level

TM50=THETA(2)*EXP(ETA(2)) ; TM50, postmenstrual age (PMA) at which CL is half of CLmatured

SF=THETA(3)*EXP(ETA(3)) ; SF= Hill

EFF=CLMT*PMA**SF/(TM50**SF+PMA**SF)

TIME=PMA

TAD=PMA

SID=ID

IPRED = EFF

Y = EFF + EFF*ERR(1)

\$THETA

(10, 17, 25) ; CLMT= CLmatured, CL at fully matured level

(40, 60, 80) ; TM50, postmenstrual age at which CL is half of CLmatured

(0, 3, 10) ; SF=Hill

\$OMEGA

(0.1) ; CLMT= CLmatured, CL at fully matured level

(0.1) ; TM50, postmenstrual age at which CL is half of CLmatured

(0.3) ; SF=Hill

\$SIGMA

(0.2) ; Proportional error

\$EST METHOD=1 INTER MAXEVAL=2000 NOABORT SIG=3 PRINT=1 POSTHOC

\$COV