BMDS Wizard Output Report

**Filename:** C:\USEPA\BMDS260\Wizard\BMDS Wizard v1.10-dichotomous.xlsm

**Prepared on:** 1/19/2016 8:25:53 AM

[1.1. BMDS Summary of Male Rat Hyperplasia Edpidermal (Cedarwood Oil) 2](#_Toc440955295)

|  |  |  |  |
| --- | --- | --- | --- |
| **BMDS Wizard Bin Placement** | **BMDS Wizard Recommendation** | **BMDS Wizard Recommendation Notes** | **Include in Summary Table?** |
| Questionable | Questionable | Goodness of fit p-value < 0.1  BMD 3x lower than lowest non-zero dose  BMDL 3x lower than lowest non-zero dose | Include |
| Viable | Recommended (lowest AIC) | Lowest BMDL  Lowest AIC | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1 | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1  BMDL 3x lower than lowest non-zero dose | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1 | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1  BMDL 3x lower than lowest non-zero dose | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1  BMD 3x lower than lowest non-zero dose  BMDL 3x lower than lowest non-zero dose | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1  BMD 3x lower than lowest non-zero dose  BMDL 3x lower than lowest non-zero dose | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1  BMD 3x lower than lowest non-zero dose  BMDL 3x lower than lowest non-zero dose | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1  BMD 3x lower than lowest non-zero dose  BMDL 3x lower than lowest non-zero dose | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1  BMD 3x lower than lowest non-zero dose  BMDL 3x lower than lowest non-zero dose | Include |

## BMDS Summary of Male Rat Hyperplasia Edpidermal (Cedarwood Oil)

Table 1. Summary of BMD Modeling Results for CO- Male Rat Hyperplasia Epidermal

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modela | Goodness of fit | | BMD10Pct  () | BMDL10Pct  () | Basis for model selection |
| *p*-value | AIC |
| Gammab  Weibullc  Multistage 4°d  Multistage 3°e  Multistage 2°  Quantal-Linear | 6.00E-04 | 44.441 | 2.02 | 1.43 |  |
| Dichotomous-Hill | 0.224 | 41.343 | 5.87 | 2.96 |
| Logistic | 0 | 55.569 | 5.30 | 3.65 |
| LogLogistic | 0.0324 | 42.050 | 4.22 | 1.59 |
| Probit | 0 | 60.061 | 6.41 | 4.66 |
| LogProbit | 0.0254 | 43.421 | 3.61 | 1.22 |
| a No model was selected as a best-fitting model.  b For the Gamma and Weibull models, the power parameter estimates were 1 (boundary of parameter space).For the Gamma model, the power parameter estimate was 1. The model is equivalent to the Quantal-Linear model.  c For the Weibull and Gamma models, the power parameter estimates were 1 (boundary of parameter space).For the Weibull model, the power parameter estimate was 1. The models in this row reduced to the Quantal-Linear model.  d For the Multistage 4° model, the beta coefficient estimates were 0 (boundary of parameters space). The models in this row reduced to the Multistage 2° model.  e For the Multistage 3° model, the beta coefficient estimates were 0 (boundary of parameters space). The models in this row reduced to the Multistage 2° model. | | | | | |

Order the models are run in (for every report):

|  |
| --- |
| **Model Type (comment includes graph)** |
| Gamma |
| Dichotomous-Hill |
| Logistic |
| LogLogistic |
| Probit |
| LogProbit |
| Weibull |
| Multistage 4° |
| Multistage 3° |
| Multistage 2° |
| Quantal-Linear |