BMDS Wizard Output Report

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

**Prepared on:** 1/19/2016 9:25:44 AM

[1.1. BMDS Summary of Female Rat Chronic Active Inflammation (Cedarwood Oil) 2](#_Toc440958892)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Warnings** | **BMDS Wizard Bin Placement** | **BMDS Wizard Recommendation** | **BMDS Wizard Recommendation Notes** | **Include in Summary Table?** |
| None | Viable | Alternate |  | Include |
| Warning: BMDL computation is at best imprecise for these data | Viable | Alternate | Lowest AIC  BMDS output file included warning | Include |
| THE MODEL HAS PROBABLY NOT CONVERGED!!! | Viable | Alternate | BMDS output file included warning | Include |
| None | Viable | Alternate | Lowest AIC | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Alternate |  | Include |
| None | Unusable | Unusable | BMD not calculated  BMDL not calculated  Goodness of fit p-value < 0.1 | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Recommended (lowest BMDL) | Lowest BMDL | Include |
| None | Questionable | Questionable | |Residual for Dose Group Near BMD| > 2  BMD 3x lower than lowest non-zero dose  BMDL 3x lower than lowest non-zero dose  |Residual at control| > 2 | Include |

## BMDS Summary of Female Rat Chronic Active Inflammation (Cedarwood Oil)

Table 1. Summary of BMD Modeling Results for CO- Female Rat Chronic Active Inflammation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modela | Goodness of fit | | BMD10Pct  () | BMDL10Pct  () | Basis for model selection |
| *p*-value | AIC |
| Gamma | 1.000 | 14.487 | 8.11 | 5.75 |  |
| Dichotomous-Hill | 1.000 | 14.218 | 10.6 | 8.55 |
| Logistic | 1.000 | 16.217 | 11.5 | 5.99 |
| LogLogistic | 1.000 | 14.218 | 10.6 | 6.11 |
| Probit | 1.000 | 16.217 | 10.7 | 5.82 |
| LogProbit | 1.000 | 16.217 | 10.2 | 6.02 |
| Weibull | error | 12.233 | errorb | errorb |
| Multistage 4° | 0.831 | 18.804 | 6.04 | 2.92 |
| Multistage 3° | 0.907 | 16.925 | 5.95 | 3.29 |
| Multistage 2° | 0.664 | 19.745 | 4.20 | 2.39 |
| Quantal-Linear | 0.134 | 27.706 | 1.32 | 0.890 |
| a No model was selected as a best-fitting model.  b BMD or BMDL computation failed for this model. | | | | | |