BMDS Wizard Output Report

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

**Prepared on:** 1/18/2016 9:25:28 PM

[1.1. BMDS Summary of Male Rat Fibrosis Dermis (Cedarwood Oil) 2](#_Toc440915676)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | Recommended (lowest AIC) | Lowest AICBMDS output file included warning | Include |
| THE MODEL HAS PROBABLY NOT CONVERGED!!! | Viable | Alternate | BMDS output file included warning | Include |
| None | Viable | Recommended (lowest AIC) | Lowest AIC | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate |   | Include |
| None | Unusable | Unusable | BMD not calculatedBMDL not calculatedGoodness of fit p-value < 0.1 | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate | Lowest BMDL | Include |
| None | Questionable | Questionable | Goodness of fit p-value < 0.1BMDL 3x lower than lowest non-zero dose | Include |

## BMDS Summary of Male Rat Fibrosis Dermis (Cedarwood Oil)

Table . Summary of BMD Modeling Results for CO- Male Rat Fibrosis Dermis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modela | Goodness of fit | BMD10Pct () | BMDL10Pct () | Basis for model selection |
| *p*-value | AIC |
| Gamma | 1.000 | 14.488 | 16.2 | 11.6 |  |
| Dichotomous-Hill | 1.000 | 14.218 | 21.1 | 17.1 |
| Logistic | 1.000 | 16.217 | 23.1 | 12.7 |
| LogLogistic | 1.000 | 14.218 | 21.1 | 12.3 |
| Probit | 1.000 | 16.217 | 21.4 | 12.2 |
| LogProbit | 1.000 | 16.217 | 20.4 | 12.1 |
| Weibull | error | 12.221 | errorb | errorb |
| Multistage 4° | 0.976 | 15.722 | 14.0 | 10.1 |
| Multistage 3° | 0.886 | 17.227 | 12.0 | 8.45 |
| Multistage 2° | 0.568 | 20.882 | 8.63 | 5.96 |
| Quantal-Linear | 0.0532 | 32.357 | 3.02 | 2.07 |
| a No model was selected as a best-fitting model.b BMD or BMDL computation failed for this model. |