

Table 2. Micronucleus Assay Results for Black Cohosh Samples (3000 Versus 120 nM Folic Acid in Cell Culture Medium)

Identifier-powdered extracts	Cohosh chemical signature ^a	3000 nM FA Medium ^b	120 nM FA Medium ^b	120 FA Medium ^c	Conclusion
BC XRM	Black	Negative	Negative ^d	Positive	Positive
1A (NTP BCE ^e)	Black	Positive	Positive		Positive
2A	Black	Equivocal	Positive		Positive
1B	Black and Chinese	Negative	Positive		Positive
2B	Black and Chinese	Equivocal	Positive		Positive
3B	Black and Chinese	Equivocal	Positive		Positive
1C	Black and Chinese	Equivocal	Positive		Positive
2C	Black and Chinese	Positive	Positive		Positive
1D	Black and Chinese	Negative	Equivocal ^d	Positive	Positive
1E	Black and Chinese	Negative	Negative ^d	Positive	Positive
1F	Chinese	Negative	Negative ^d	Positive	Positive
Identifier – Root Powders					
1G	Black	Negative	Negative ^d	Positive	Positive

Identifier-powdered	Cohosh chemical	3000 nM FA	120 nM FA Medium	120 FA Medium	Conclusion
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extracts	signature	Medium			
CC VBRM	Chinese	Equivocal	Positive		Positive
RC VBRM	Red	Negative	Positive		Positive
YC VBRM	Yellow	Negative	Negative ^d	Positive	Positive

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- a Tentative classification based on a limited analysis.
 - b 24 hr exposure; 10, 25, 50, 75, 100, 125, 175, and 250 µg/mL.
 - c 24 hr exposure; 125, 250, 300, 400, 500, 750, and 1,000 µg/mL.
 - d Did not reach limit of cytotoxicity; retested at higher concentrations.
 - e Sample that produced a dose-dependent, significant induction of MN in mice and rats in NTP studies [Mercado-Feliciano et al., 2012].