

Supplementary Table 4. Summary of genotoxic potential of metalworking fluids *in vitro* and *in vivo*

MWF	Test ¹	Result ^{2,3}	Comments
Cimstar 3800	MN	(-) M, F mice (-) M, F rats	
	Bac ⁴	(W+) <i>E. coli</i> , -S9	(-) TA100, TA98 +/-S9
Syntilo 1023	MN	(-) M, F rats (-) F mice (?) M mice	
	Bac	(-) all strains	
Trim SC210	MN	(?) M, F rats (-) M, F mice	Increase in % RET ⁵ in female rats Increase in % RET in female mice
	Bac	(+) <i>E. coli</i> , +S9	(-) TA100, TA98 +/-S9
Trim VX	MN	(-) M, F mice (-) M, F rats	Increase in % RET in female mice
	Bac	(-) all strains	

¹ MN, micronucleus test; Bac, bacterial mutagenicity test

² Rat strains used: F344 rats for CIMSTAR 3800, TRIM SC210; Wistar Han rats for Syntilo 1023, TRIM VX

³ M, male; F, female; (-), negative; (?), equivocal; (W+), weak positive; (+), positive

⁴ Tests for bacterial mutagenicity conducted in *Salmonella typhimurium* TA100, TA98 and *Escherichia coli* WP2 *uvrA*; all results in the *Salmonella* strains were negative

⁵ RET, reticulocytes or immature erythrocytes