

**Supplemental Table 2:**

Concentration of sulfur, zinc, copper and cadmium ( $\mu\text{M}$ ) found in MTs proteins in the soluble extract from cultured HCEsv cells, under control state conditions, and after exposure to either: i)  $^{68}\text{ZnSO}_4$  ( $100\mu\text{M}$ ) alone; ii) IL1 $\alpha$  (100 U/ml), or iii) a combination of  $^{68}\text{ZnSO}_4$  ( $100\mu\text{M}$ ) and IL1 $\alpha$  (100 U/ml), during 24h. The stoichiometric composition of the MTs complexes was calculated by the determination of the sulfur to metal (Zn, Cu and Cd) ratio.

<b>Treatment</b>	<b>Sulfur-MTs (<math>\mu\text{M}</math>)</b>	<b>Zinc-MTs (<math>\mu\text{M}</math>)</b>	<b>Copper-MTs (<math>\mu\text{M}</math>)</b>	<b>Cadmium-MTs (<math>\mu\text{M}</math>)</b>	<b>Ratio S:Zn:Cu:Cd</b>
<b><i>Control</i></b>	$5.08 \pm 0.08$	$1.5 \pm 0.2$	$0.315 \pm 0.005$	$0.0052 \pm 0.0005$	21:6:1:0
<b>+ <math>^{68}\text{ZnSO}_4</math></b>	$19.9 \pm 0.5$	$6.7 \pm 0.1$	$0.25 \pm 0.01$	$0.0201 \pm 0.0007$	21:7:0:0
<b>+ <math>^{68}\text{ZnSO}_4</math> + IL1<math>\alpha</math></b>	$24.6 \pm 0.3$	$8.2 \pm 0.1$	$0.22 \pm 0.09$	$0.0192 \pm 0.0001$	21:7:0:0
<b>+ IL1<math>\alpha</math></b>	$9.5 \pm 0.2$	$3.15 \pm 0.02$	$0.15 \pm 0.04$	$0.0107 \pm 0.0001$	21:7:0:0