

## **ADDITIONAL FILE**

### **A Systematic Investigation of the Maximum Tolerated Dose of Cytotoxic Chemotherapy with and without Supportive Care in Mice**

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**Key words:** chemotherapy, mice, dose optimization, maximum tolerated dose, MTD, supportive care, cancer.

**Short title:** cytotoxic chemotherapy dose optimization in mice

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Score		0	1	2
Appearance	Weight loss	Steady weight	> 10% weight loss	15%-19.9% weight loss
	Coat	Normal	Mild ruffled coat	Moderate ruffled coat, ungroomed
	Body condition	Normal	Thin	Loss of body fat, failure to grow
	Body Posture	Normal	Hunched	Hunched and still
	Movement	Normal	Reduced/slow	Reluctant to move when touched
Activity	Proximity to others	Close contact	Somewhat separate	Completely separate
Other	Injection site	Normal	Some redness at margins	Redness and swelling

**Supplementary Table S1: Clinical Severity Score.** Parameters used for the clinical score determination of mice.

<b>Chemotherapy</b>	<b>Supplier</b>	<b>Diluent</b>
5-Fluorouracil	Fluorouracil Ebewe, Sandoz PTY LTD, Pymont NSW Australia	0.9% NaCl
Bleomycin	DBL Bleomycin Sulfate, Hospira, Mulgrave VIC Australia	Water for injection
Cisplatin	DBL Cisplatin, Hospira, Mulgrave VIC Australia	0.9% NaCl
Cyclophosphamide	Endoxan, Baxter, Toongabbie NSW Australia	0.9% NaCl
Docetaxel	Oncotaxel 80, Actavis, North Adelaide SA Australia	0.9% NaCl
Doxorubicin	Adriamycin, Pfizer, West Ryde NSW Australia	0.9% NaCl
Etoposide Phosphate	Etopophos, Bristol-Myers-Squibb, Mulgrave VIC Australia	Water for injection
Gemcitabine	DBL Gemcitabine, Hospira, Mulgrave VIC Australia	0.9% NaCl
Irinotecan	Irinotecan Actavis, Actavis, North Adelaide SA Australia	0.9% NaCl
Vinorelbine	Navelbine, Pierre Fabre Medicament, North Ryde NSW Australia	0.9% NaCl

**Supplementary Table S2: Chemotherapeutics used in this study with corresponding supplier and diluent.**