

SUPPLEMENTARY TABLES AND FIGURE LEGENDS

Supplementary Table 1. Composition of Osmolite

(Abbott Nutrition, Australia Pty Ltd, NSW)

	Per 100 ml
Energy (KJ)	1061
(KCal)	252
Protein (g)	4.00
Carbohydrate (g)	13.6
of which sugar (g)	0.63
Fat (g)	3.40
of which saturates (g)	0.84
Fibre (g)	0
Vitamins	
Vitamin A (RE; µg)	108
Vitamin D (µg)	0.73
Vitamin E (αTE; mg)	2.14
Vitamin C (mg)	10.0
Thiamine (vitamin B1; mg)	0.16
Riboflavin (vitamin B2; mg)	0.18
Niacin (NE; mg)	1.7
Vitamin B6 (mg)	0.22
Folacin (folic acid; µg)	23.0
Vitamin B12 (µg)	0.34
Biotin (µg)	4.6
Pantothenic acid (mg)	0.78
Vitamin K (µg)	5.2
Minerals	
Sodium (mg)	88.0
Calcium (mg)	68.0
Phosphorus (mg)	68.0
Iron (mg)	1.40
Magnesium (mg)	20.0
Zinc (mg)	1.30
Iodine (µg)	11.0
Potassium (mg)	148
Chloride (mg)	136
Copper (µg)	170
Manganese (mg)	0.38
Selenium (µg)	6
Chromium (µg)	6.5
Molybdenum (µg)	12.0
Choline (mg)	56.0
• Osmolarity 244 mOsm/L	

**Supplementary Table 2. Chemical composition of the standard mouse chow diet
(Lab Diet 5001)**

Nutrients	
Proteins, %	23.9
Arginine, %	1.41
Cystine, %	0.31
Glycine, %	1.21
Histidine, %	0.57
Isoleucine, %	1.14
Leucine, %	1.83
Lysine, %	1.41
Methionine, %	0.67
Phenylalanine, %	1.04
Tyrosine, %	0.71
Threonine, %	0.91
Tryptophan, %	0.29
Valine, %	1.17
Serine, %	1.19
Aspartic Acid, %	2.81
Glutamic Acid, %	4.37
Alanine, %	1.43
Proline, %	1.49
Taurine, %	0.02
Fat (ether extract), %	5.00
Fat (acid hydrolysis), %	5.70
Cholesterol, ppm	200
Linoleic Acid, %	1.22
Linolenic Acid, %	0.10
Arachidonic Acid, %	<0.01
Omega-3 Fatty Acids, %	0.19
Total Saturated Fatty Acids, %	1.56
Total Monounsaturated Fatty Acids, %	1.60
Fiber (Crude), %	5.10
Neutral Detergent Fiber, %	15.6
Acid Detergent Fiber, %	6.70
Nitrogen-Free Extract (by difference), %	48.7
Starch, %	31.9
Glucose, %	0.22
Fructose, %	0.30
Sucrose, %	3.70
Lactose, %	2.01
Total digestible nutrients, %	76.0
Gross Energy, kcal/g	4.07
Physiological Fuel Value, kcal/g	3.36
Metabolizable Energy, kcal/g	3.02
Minerals	
Ash, %	7.00
Calcium, %	0.95

Phosphorus, %	0.66
Phosphorus (non-phytate), %	0.39
Potassium, %	1.18
Magnesium, %	0.21
Sulfur, %	0.36
Sodium, %	0.40
Choline, %	0.67
Fluorine, ppm	16.00
Iron, ppm	270
Zinc, ppm	79.00
Manganese, ppm	70.00
Copper, ppm	13.00
Cobalt, ppm	0.90
Iodine, ppm	1.00
Chromium, ppm	1.20
Selenium, ppm	0.30
Vitamins	
Carotene, ppm	2.30
Vitamin K (as menadione), ppm	1.30
Thiamine Hydrochloride, ppm	16.00
Riboflavin, ppm	4.50
Niacin, ppm	120.00
Pantothenic Acid, ppm	24.00
Choline Chloride, ppm	2250.00
Folic Acid, ppm	7.10
Pyridoxine, ppm	6.00
Biotin, ppm	0.60
B ₁₂ , mcg/kg	50.00
Vitamin A, IU/g	15.00
Vitamin D (added), IU/g	4.50
Vitamin E, IU/g	42.00

- Oval pellet, 10 mm x 16 mm x 25 mm length

**Supplementary Table 3. Histological injury scoring system in IL-10^{-/-} mice on a
C57BL/6 background**

Histological injury scoring system	Score (0-15)*
Epithelial hyperplasia	0-3
Normal	0
Mild	1
Moderate	2
Pseudopolyps	3
Mononuclear infiltration	0-4
None; Rare inflammatory cells in the lamina propria	0
Minimal; very few numbers of mononuclear cells in the lamina propria	1
Moderate; increased numbers of mononuclear cells in the lamina propria	2
Marked; confluence of mononuclear cells extending into sub-mucosa	3
Severe; trans-mural extension of the mononuclear cells infiltration	4
Neutrophil infiltration	0-4
None; Rare neutrophil cells in the lamina propria	0
Minimal; very few numbers of neutrophil cells in the lamina propria	1
Moderate; increased numbers of neutrophil cells in the lamina propria	2
Marked; confluence of neutrophil cells extending into sub-mucosa	3
Severe; trans-mural extension of neutrophil cells infiltration	4
Mucosal ulceration	0-4
Normal	0
Surface inflammation	1
Erosions	2
Focal ulceration	3
Multifocal or diffuse ulceration	4

*0-5: normal histological appearance; 6-8: mild histological changes; 9-12: moderate histological changes; 12< severe tissue damage

Supplementary Table 4. Association of the average histological injury score with the presence of *H. troglontum* in colon specimens collected from IL-10^{-/-} mice

Groups	Mouse number	16S rRNA	Average histological injury score*
Non-infected controls	week 2	25	Negative
		61	Negative
	week 4	26	Negative
		62	Negative
Infected controls	week 2	1	Negative
		30	Positive
		47	Positive
		70	Positive
	week 4	9	Positive
		19	Negative
		44	Positive
		42	Positive
¹ HC	week 2	4	Positive
		20	Positive
		71	Positive
		59	Positive
	week 4	50	Positive
		13	Positive
		10	Positive
		16	Positive
² EEN	week 2	23	Negative
		2	Negative
		53	Negative
		48	Negative
		72	Negative
	week 4	55	Negative
		66	Negative
		49	Negative
³ MNZ	week 2	29	Negative
		5	Negative
		63	Positive
		64	Negative
	week 4	28	Negative
		8	Negative
		35	Negative
		38	Positive
EEN+MNZ	week 2	27	Negative
		21	Positive
		37	Negative
		67	Negative
	week 4	6	Negative
		3	Positive
		43	Negative
		58	Negative

¹Hydrocortisone; ²exclusive enteral nutrition; ³metronidazole

Supplementary Figure 1 legend:

DNA was extracted from colon tissue, which had been stored in *RNAlater*®, and subjected to an *H. trogontum* 16S rRNA specific PCR. Samples displaying a single (888 bp fragment) band were considered PCR positive for *H. trogontum*.

Ladder [fibronectin (FN)-1 marker; Fisher Biotech]; lanes 1-4: non-infected controls; lanes 5-8: infected controls; lanes 9-12 HC; lanes 13-16: MNZ; lanes 17-20: EEN; lanes 21-24: EEN+MNZ

