



## PUBLISHED MANUSCRIPTS – JUNE 2014

<b>Bone Health</b>	1	Slevin et al., (2014) J Nutrition; In Press	Supplementation with calcium and short-chain fructo-oligosaccharides affects markers of bone turnover but not bone mineral density in post-menopausal women.	<i>Aquamin positively contributes to Bone health as measured by DEXA And bone turnover markers in post-Menopausal women.</i>
	2	Villalon et al., (2014) MSSE; In Press		
	3	Aslam et al., (2013) Biol Trace Elem Res; In Press	Preservation of bone structure and function by <i>Lithothamnion species</i> derived minerals	<i>Aquamin inhibits bone mineral loss and improves bone strength and bone density. Strontium appears to play a central role.</i>
	4	Widaa et al., (2013) Phytotherapy Res; In Press	The osteogenic potential of the marine-derived multi-mineral formula Aquamin is enhanced by the presence of Vitamin D	<i>Vitamin D enhances the ability of Aquamin to promote mineralisation of bone cells.</i>
	5	O'Gorman et al. (2012) Phytotherapy Res 26 (3) : 375-80	The Marine-derived, Multi-mineral formula, Aquamin, Enhances Mineralisation of Osteoblast Cells <i>In Vitro</i>	<i>Aquamin aids the mineralisation and maturation of bone cells.</i>
	6	Barry et al. (2011) Med Sci Sport Exerc 43(4):61723	Acute Calcium Ingestion Attenuates Exercise-Induced Disruption of Calcium Homeostasis	<i>Aquamin taken before exercise protects from exercise-induced bone loss.</i>
	7	Nielsen et al. (2010) J Equine Vet Sci 30(8):419-424	A marine mineral supplement alters markers of bone metabolism in yearling Arabian horses	<i>Aquamin allows for rapid Breakdown and repair of bone in horses</i>
	8	Aslam et al. (2010) Calcif Tissue Intl. 86(4) : 313-24	A mineral-rich extract, Aquamin, from the red marine algae, <i>Lithothamnion calcareum</i> , preserves bone structure and function in female mice on a high fat diet.	<i>Aquamin protects bone from the negative effects of a high fat diet</i>
	9	Lee et al. (2010) J Exp Biomed Sci 16 (4): 213-220	The effects of a mineral supplement (Aquamin F) and its combination with multi-species Lactic Acid Bacteria (LAB) on bone accretion in an ovariectomized rat model	<i>Aquamin works in combination with probiotics to prevent bone breakdown in a post-menopausal animal model</i>
	10	Singh et al., (2014) Mol Carcin; In Press	Induction of calcium sensing receptor in human colon cancer cells by calcium, vitamin D and Aquamin: promotion of a more differentiated, less malignant and indolent phenotype.	<i>Aquamin is much more effective Than calcium alone in regulating the Very important calcium sensing Receptor.</i>
	11	Aviello et al., (2013) Phytotherapy Res. In Press	A mineral extract from Red Algae Ameliorates Chronic Spontaneous Colitis in IL-10 Deficient Mice in a Mouse Strain Dependent Manner.	<i>Aquamin significantly improves the symptoms of colitis in an animal model</i>
<b>Digestive Health</b>	12	Aslam et al. (2012) Biol Trace Elements Res 147: 267-74	A Multi Mineral Natural Product Inhibits Liver Tumor Production in C57/BL6 Mice	<i>Aquamin protects from liver disease from a high fat diet</i>



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Joints & Inflammation	13	Aslam et al., (2012) Nutrition in Cancer 64 (7), 1020-8	A Multi Mineral Rich Natural Product inhibits Colon Polyp Formation in Healthy Mice on a High-Fat Diet	<i>Aquamin protects from polyp formation in the colon resulting from a high fat diet</i>	
	14	Dame et al. (2011) In Vitro Cell Dev. Biol. - Animal 47:32-38	Human colon tissue in organ culture: calcium and multi-mineral-induced mucosal differentiation	<i>The multi-mineral Aquamin out-performs calcium in regulating cell growth in-vitro</i>	
	15	Aslam et al. (2010) Integrative Cancer Therapies 9 (1): 93-9	A mineral-rich red algae extract inhibits polyp formation and inflammation in the gastrointestinal tract of mice on a high-fat diet	<i>Aquamin protects the digestive system from inflammation and other negative effects of a high fat diet</i>	
	16	Aslam et al. (2009) Cancer Letters 283 (2): 186-92	Growth-inhibitory effects of a mineralised extract from the red marine algae, <i>Lithothamnion calcareum</i> , on Ca <sup>2+</sup> -sensitive and Ca <sup>2+</sup> -resistant human colon carcinoma cells	<i>Aquamin reduces cell growth and increases maturation more effectively than calcium alone</i>	
	17	Murphy et al., (2014) J Nutr Health & Food Sci: In press	The marine-derived, multi-mineral formula AquaPT, reduces TNFα levels in osteoarthritis patients	<i>The anti-inflammatory action of Aquamin is enhanced in combination with pine bark &amp; green tea</i>	
	18	O'Callaghan et al., (2013) J Medicinal Foods. In Press	Antioxidant and pro-apoptotic effects of marine-derived, multi-mineral Aquamin supplemented with pine bark extract, Enzogenol and green-tea extract, Sunphenon.	<i>The antioxidant and pro-apoptotic effects of Aquamin are enhanced in combination with pine bark and green tea.</i>	
	19	O'Gorman et al. (2012) Phytotherapy Res 26(3):630-32	Evidence that marine-derived, multi-mineral, Aquamin, inhibits the NFκB signalling pathway in vitro	<i>Aquamin positively regulates the pro-inflammatory activity of NFκB</i>	
	20	Ryan et al. (2011) Phytotherapy Res 25(5): 765-7	Evidence that the marine-derived multi mineral, Aquamin, has anti-inflammatory effects on cortical glial-enriched cultures	<i>Aquamin positively regulates the pro-inflammatory activity of TNFα and IL-1β</i>	
	21	Frestedt et al. (2009) Nutrition Journal 8:7	A natural seaweed derived mineral supplement (Aquamin F) for knee osteoarthritis: a randomised, placebo-controlled pilot study	<i>NSAID usage can be reduced by Aquamin intake</i>	
	22	Frestedt et al. (2008) Nutrition Journal 7 : 9	A natural mineral supplement provides relief from knee osteoarthritis symptoms: a randomized controlled pilot trial	<i>Aquamin reduces the symptoms of osteoarthritis</i>	
	Behaviour	23	O'Driscoll et al., 2013 Animal, 7(6):1017-27.	The influence of a magnesium rich marine extract on behaviour, salivary cortisol levels and skin lesions in growing pigs	<i>Acid Buf reduces aggression, behavioural problems and stress levels in growing pigs</i>



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	24	O'Driscoll et al., 2013 App Animal Behaviour Sci, In press	The influence of a magnesium rich marine supplement on behaviour, salivary cortisol levels and skin lesions in growing pigs exposed to acute stressors	<i>Acid Buf reduces aggression, behavioural problems and stress levels in growing pigs exposed to stressful situations</i>
	25	Moore-Colyer et al., 2013 J Equine Vet Sci. In Press	An <i>in-vitro</i> investigation into the effects of a marine-derived, multi-mineral supplement in simulated equine stomach and hind-gut environments	<i>Equmin Plus buffers in-vitro stomach digestion conditions and stimulates in-vitro hindgut fermentation activities</i>
Equine	(4)	Nielsen et al. (2010) J Equine Vet Sci 30(8):419-424	A marine mineral supplement alters markers of bone metabolism in yearling Arabian horses	<i>Aquacid (Equmin) allows for rapid breakdown and repair of bone in horses</i>
Other	26	Zhu et al., (2014) Intl J Food Sci & Tech; In press	Solubilisation of calcium and magnesium from the marine red algae <i>Lithothamnion calcareum</i> .	<i>This publication describes the Excellent solubility of the calcium &amp; Magnesium in Acid-Buf.</i>