

## **Binder Comparison**

**KEY** 

= Our recommended product(s) Each "✓" means more effective











	BioToxin Binder	Carboxy	ViRadChem Binder	HM-ET Binder	CT- Minerals
Amphoteric (gives or receives an electron/proton)	<b> </b>	< < < <	<b> </b>	<b>////</b>	<b>////</b>
Available energy for chemical reactions	<b>√ √ √</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓ ✓</b>
Balances minerals (including copper, iron, etc.)	✓ ✓	<b>✓ ✓</b>	<b>✓ ✓</b>	<b> </b>	<b>✓ ✓ ✓ ✓</b>
Contains polyelectrolytes and polyanions	<b>✓ ✓ ✓ ✓</b>	<b>✓ ✓ ✓ ✓</b>	<b> </b>	<b> </b>	<b>✓ ✓ ✓ ✓</b>
Digestive tract benefits	<b>√ √ √</b>	<b>////</b>	<b>✓ ✓ ✓</b>	<b> </b>	<b>√</b> √
Goes systemic in body	<b>✓ ✓ ✓</b>	<b>✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓</b>	<b>✓ ✓ ✓ ✓</b>
Increases cellular energy	✓	✓	✓	✓	<b>✓ ✓ ✓</b>
Increases nutrient/vitamin retention, absorption, and utilization	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b> </b>	<b>////</b>	<b> </b>
Provides C, H, and O (building blocks to the body)	<b> </b>	<b> </b>	<b>////</b>	<b> </b>	<b> </b>
Repairs tissues and cellular processes	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓ ✓</b>
Selective binder	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓</b>	<b>✓ ✓ ✓</b>	✓ ✓
Transmutates elements	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓ ✓</b>
True chelator	<b>✓ ✓ ✓ ✓</b>	<b> </b>	<b> </b>	<b> </b>	<b>✓ ✓ ✓ ✓</b>
Upregulates cellular respiration	<b>√ √ √</b>	<b>✓ ✓ ✓</b>	✓ ✓	✓ ✓	<b>✓ ✓ ✓ ✓</b>
Ammonia (from parasites, Lyme, coinfections, high protein diet)	< < < <	<b>✓ ✓ ✓</b>	<b>✓ ✓</b>	✓	✓
Bacteria byproducts	<b>✓ ✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	✓ ✓	✓	✓ ✓
Candida and fungal byproducts	<b>✓ ✓ ✓</b>	<b> </b>	<b>✓ ✓</b>	✓	✓ ✓
Environmental and industrial toxins	<b> </b>	<b> </b>	<b>✓ ✓ ✓</b>	<b>✓ ✓</b>	<b>√</b> √ √
Mycotoxin binding	<b>✓ ✓ ✓</b>	<b> </b>	<b>✓ ✓</b>	✓	✓ ✓
Parabens	<b>✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	✓	✓	✓
Parasite byproducts	<b>✓ ✓ ✓ ✓</b>	<b>✓ ✓ ✓</b>	✓ ✓	✓	✓
Pesticides and herbicides (including glyphosate)	✓ ✓	<b>√</b> √	<b>✓ ✓ ✓</b>	<b> </b>	<b>√</b> √
Phthalates	<b>√ √ √</b>	✓ ✓	✓		✓
Radioactive elements: binds and/or stabilizes isotopes (cesium, radium, uranium, etc.)	<b>✓ ✓ ✓</b>	<b>✓ ✓</b>	<b> </b>	<b> </b>	<b>√ √ √</b>
Sulfur metabolism	<b>✓ ✓ ✓ ✓</b>	✓	✓ ✓	✓	<b>√</b> √ √
Toxic heavy metals (arsenic, cadmium, lead, mercury, etc.)	✓ ✓	<b>✓ ✓</b>	<b>///</b>	<b>////</b>	<b>√ √ √</b>
Viruses: binds toxins, preventing viral replication	<b>✓ ✓ ✓ ✓</b>	<b>✓ ✓</b>	<b> </b>	<b> </b>	<b>✓ ✓ ✓</b>
Viruses: denatures envelope proteins through electron/proton donation or acceptation	<b>✓ ✓</b>	<b>✓ ✓</b>	<b>////</b>	<b>✓ ✓ ✓</b>	<b>√ √ √</b>
Volatile organic compounds	✓ ✓	✓ ✓	<b> </b>	V V V	✓