Exatest…. Intracellular Mineral Microanalysis Using Sublingual Buccal Cell X-rays	**EXATEST**	**Serum**	**Red Cells**	**White Cells**	**Hair Analysis**	**Mg Serum Electrodes**
1. Intracellular testing reads total tissue levels of Mg, K, Ca, P, Cl, & Na (Serum has less than 1% of Mg and K)	**Y**	N	N	N	N	N
2. Cells **correlate** with ion levels in muscle, cardiac tissue and bone	**Y**	N	N	N	N	N
3. Cell sample contains **full metabolic biochemical** pathways	**Y**	N	N	N	N	N
4. Cells have large cytoplasm to nucleus ratio.	**Y**	N	N	N	N	N
5. Cells **refresh and change** every few days	**Y**	N	N	N	N	N
6. Reflects **current body status** and not historical data.	**Y**	N	N	N	N	N
7. Painless, safe, and **non-invasive** collection	**Y**	N	N	N	**Y**	N
8. Samples can be shipped with **no freezing or special handling**	**Y**	N	N	N	**Y**	N
9. Analysis is non-destructive and smears have indefinite life span	**Y**	N	N	N	N	N
10. **Research published** in major peer reviewed journals in collaboration with: J. Hopkins, NASA, & Cedars- Sinai	**Y**	**?**	**?**	**?**	**?**	**?**
11.Elimination of chemical manipulation prevents mineral loss	**Y**	N	N	N	N	N
12. Long lasting samples which may be retested when required	**Y**	N	N	N	N	N
13. Cells need no centrifugation or other isolation	**Y**	N	N	N	N	N
14. Highly specific **Scanning Electron Microscopy**	**Y**	N	N	N	N	N
15. Direct, nondestructive **Spectral X-ray Analysis**	**Y**	N	N	N	N	N
16**. Cells & tissues reflect body load of minerals as Mg and K**.	**Y**	N	N	N	N	N
17. Cells have high turnover and metabolic rate	**Y**	N	N	N	N	N

18. **Dynamic changes evident** rather than static blood balance	**Y**	N	N	N	N	N
19. **Validity of intracellular analysis is over 99%**	**Y**	N	N	N	N	N
20. **Clinical ease** for tracking intracellular ion & mineral changes	**Y**	N	N	N	N	N