

Process	Phlebotomy	Green vial (Chemistry)	Blue vial (Coagulation factors)	Purple vial (Hematology)	Gold vial (Total protein)	Total emissions (g CO₂e)
Consumable manufacturing	10,707	6741	1730	3010	426	22,614
Consumable transport	2376	778	568	436	56	4213
Laboratory processing	3904	28,925	86	138	566	33,655
Waste	318	228	106	234	26	911
Total	17,305	36,672	2489	3819	1073	61,358

Supplemental Table 2: Processes contributing to the carbon footprint of laboratory testing. This table breaks down life cycle processes contributing to the total carbon footprint for investigations across the sample population that underwent unnecessary bloodwork(N=63). Abbreviations: g CO₂e = grams carbon dioxide equivalents.