

## Pilot Study: Validation of V-PRO® Clot Activator Trace Elements Tubes for Zinc Determination

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### **Abstract**

V-PRO® trace elements tubes are manufactured using high-purity crystalline polyethylene terephthalate (SABIC® PET PCG60). A medical-grade resin tested and documented to comply with European and U.S. Pharmacopeia (USP/EP) requirements for medical plastic. With excellent flow properties, it is ideally suited for thin-walled injection molding, making it highly appropriate for the production of blood collection tubes. The V-PRO® trace elements tubes are designed to ensure precise measurement of heavy elements, including Zinc (Zn), Copper (Cu), Selenium (Se), Cadmium (Cd), Arsenic (As), Lead (Pb), Manganese (Mn), Chromium (Cr), Cobalt (Co), Nickel (Ni), Aluminum (Al), Calcium (Ca), Iron (Fe), and Magnesium (Mg). To meet diverse laboratory requirements, V-PRO® offers two dedicated formats: a clot activator trace elements tubes and a K<sub>2</sub>EDTA trace elements tubes.

