

ZINC

Zinc is the second most abundant trace element, essential for over 300 enzymes like carbonic anhydrase and DNA polymerases. Its deficiency causes growth failure, immune dysfunction, diarrhea, skin issues, and alopecia. Subclinical deficiency affects immunity, hormones, and neurological functions.



- ✓ Accurate and precise results
- ✓ 548 nm
- ✓ Storage conditions +4 C
- ✓ Applicable to any biochemistry analyzer.
- ✓ Quantitative
- ✓ Long shelf life; 18 months
- ✓ Colorimetric
- ✓ Sample types; urine, serum and plasma

COPPER

Copper is vital for energy and iron metabolism, antioxidant defense, neuropeptide synthesis, and immunity. Deficiency causes neutropenia, anemia, and bone abnormalities, while toxicity leads to hepatocerebral and neurodegenerative issues.



- ✓ Accurate and precise results
- ✓ 572 nm
- ✓ Storage conditions +4 C
- ✓ Applicable to any biochemistry analyzer.
- ✓ Quantitative
- ✓ Colorimetric
- ✓ Long shelf life; 12 months
- ✓ Sample types; urine, serum and plasma

GLUCOSE-6-PHOSPHATE DEHYDROGENASE

G6PD deficiency, affecting around 400 million people, is often asymptomatic. However, individuals are at risk of hemolytic anemia under oxidative stress, triggered by drugs, infections, or fava beans. This stress damages red blood cells, leading to their breakdown and causing jaundice due to bilirubin buildup.



- ✓ Fully automated
- ✓ High analytical performance.
- ✓ Ready to use
- ✓ Applicable for any biochemistry analyzer.
- ✓ Long lifetimes of the reagents
- ✓ Fully automated
- ✓ Colorimetric
- ✓ Accurate and precise results

✓ First and unique automated kit that works directly from **whole blood** without the need for pretreatment.