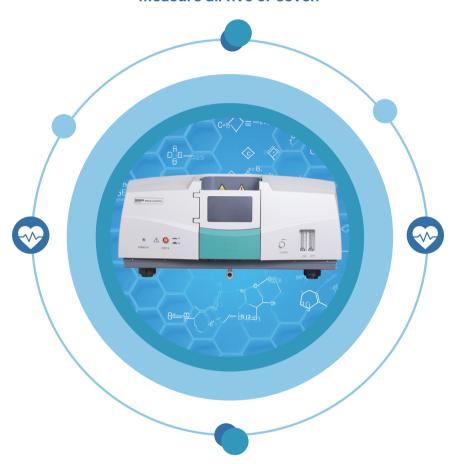


The BOHUI Atomic Absorption Spectrometer (BH5500S) can measure the concentration of copper, zinc, calcium, magnesium and iron elements in biological samples quickly and accurately. With a sample of 300 µL of serum, or 40 µL of whole blood, the analyzer can measure all five or seven



# **Integrated Detection Systems for Beneficial and Toxic Trace Elements**



## Key Applications:

Clinical Diagnostics :

Assess nutritional status, monitor occupational exposure and acute poisoning.

Health Screening:

For children, pregnant women, and other high-risk groups.

#### Market leader with over 70% share in China

Minimal sample volume and multiple sample types.
Patented multi-channel angle Technology.
WHO-recognized for child lead
exposure projects



### **Core Technologies:**

Multi-Element Analysis: Copper(Cu), Zinc(Zn), Calcium(Ca), Magnesium(Mg), Iron(Fe), Lead(Pb), Cadmium(Cd), Potassium(K), Sodium(Na).

Rapid Detection: Beneficial trace elements in 2–3 seconds, toxic trace elements in 1.5 minutes. High Performance: Sensitivity:detection limit of copper is  $\leq 0.02 \,\mu\text{g/mL}$ , Precision:The CV less of trace elements than 1.0%.

Optical Dilution™: Patented multi-channel angle echnology for enhanced accuracy.

## **Key application population**

- Children under 6 years old
- Pregnant women
- Individuals with related symptoms

- Suboptimal health groups
- Occupational contact groups

## **Technical Parameters**

Parameter	Systems for Beneficial Trace Elements	Systems for ToxicTrace Elements
Method	Flame Atomic Absorption Spectroscopy	Graphite Furnace /Tungsten Atomic Absorption Spectroscopy
Model	BH5500S/5100S/5300S/7100	BH2100S/2101S/2200S
Elements	Cu, Zn, Ca, Mg, Fe, K, Na	Pb, Cd
Detection Time	2-3 seconds/test	1.5 min/test
GAS SOURCE	Acetylene	Argon
Sample	Whole blood, Serum, Urine, Milk	
Certifications	CE, NMPA, WHO-collaborated, National Standard	



No.9 shengmingyuanlu, changping Distrct, Beijing, china (102206)

) +86-010-88850168 market@bohui-tech.com +86-010-88856244 http://www.bohui-tech.com