

*Hong Kong Exchanges and Clearing Limited and The Stock Exchange of Hong Kong Limited take no responsibility for the contents of this announcement, make no representation as to its accuracy or completeness and expressly disclaim any liability whatsoever for any loss howsoever arising from or in reliance upon the whole or any part of the contents of this announcement.*



## **CHINA ISOTOPE & RADIATION CORPORATION**

**中國同輻股份有限公司**

*(A joint stock company incorporated in the People's Republic of China with limited liability)*

**(Stock Code: 1763)**

### **VOLUNTARY ANNOUNCEMENT**

## **SELF-DEVELOPED “RED BLOOD CELL LIFESPAN MEASUREMENT BREATH ANALYZER” OBTAINED CLASS II MEDICAL DEVICE REGISTRATION CERTIFICATE**

This announcement is voluntarily made by China Isotope & Radiation Corporation (“**CIRC**” or the “**Company**”) to keep its shareholders and potential investors informed of the latest business developments of the Company.

The board of directors of the Company is pleased to announce that recently, the “Red Blood Cell Lifespan Measurement Breath Analyzer” independently developed by Anhui Young-Hearty Medical Appliance & Equipment Co., Ltd. (安徽養和醫療器械設備有限公司), a subsidiary of Zhonghe Headway (中核海得威) under CIRC, has obtained the Class II Medical Device Registration Certificate, approving the device for market launch. This marks a significant step forward for CIRC in enriching its breath diagnostic product pipeline, building on its deep cultivation of *Helicobacter pylori* breath testing technology. It signifies CIRC’s formal entry into the new breath diagnostic field of “red blood cell lifespan measurement”, which is expected to promote the application of breath testing technology in the early screening and clinical diagnosis of hematological diseases.

Clinically, red blood cell lifespan measurement is primarily applied in the following areas:

1. **Diagnosis of anaemia and haemolysis:** Excessively rapid destruction of red blood cells may lead to haemolytic anaemia, with patients presenting symptoms such as fatigue, pallor and jaundice. Measurement of red blood cell lifespan helps identify the underlying causes.
2. **Differential diagnosis of jaundice:** Jaundice (yellowing of the skin and eyes, etc.) occurring in newborns or adults may result from excessive red blood cell destruction or liver dysfunction. Red blood cell lifespan testing assists physicians in making quick judgments.
3. **Assessment of therapeutic efficacy:** For patients diagnosed with hematological disorders, periodic monitoring of red blood cell lifespan enables evaluation of treatment effectiveness and detection of disease recurrence.

The “Red blood cell Lifespan Measurement Breath Analyzer” is based on the principle of endogenous carbon monoxide (CO) metabolism detection. By analyzing the concentration of trace carbon monoxide in exhaled breath, the device scientifically calculates the red blood cell lifespan and enables non-invasive quantitative assessment. A test report can be generated in approximately 250 seconds per examination, significantly enhancing testing efficiency and accuracy, making it suitable for use in clinical departments such as hematology.

The device achieves integrated integration of testing processes, data management, and equipment maintenance, which not only improves operational stability but also makes operation more convenient. It effectively meets clinical needs, facilitates ease of use for medical professionals, and supports the safeguarding of respiratory health through innovative medical technology.

By order of the Board  
**China Isotope & Radiation Corporation**  
**Xiao Yafei**  
*Chairman*

Beijing, the PRC, 2 March 2026

*As at the date of this announcement, the board comprises Mr. Xiao Yafei, Mr. Zhang Junqi, Ms. Huo Yingying and Ms. Ma Xiaoyu as executive Directors; Mr. Chen Zan, Mr. Ding Jianmin and Ms. Chang Jinyu as non-executive Directors; and Mr. Poon Chiu Kwok, Ms. Chen Jingshan, Mr. Lu Chuang and Mr. An Rui as independent non-executive Directors.*