NEO-LIVE™

Fluorescent Magnetic Nanoparticle for an *In Vivo* Live Image

BITERIALS
Nano Bio Frontier

Table 1. Contents and Storage information

Material	Wavelength	Concentration	Storage
NEO-LIVE™ Magnoxide 730	Ex/Em = 730/754 nm	2 mg/ml in borate buffer,	2-6℃ **Do not freeze or dry**
NEO-LIVE™ Magnoxide 797	Ex/Em = 797/830 nm		

High sensitivity in small cell number

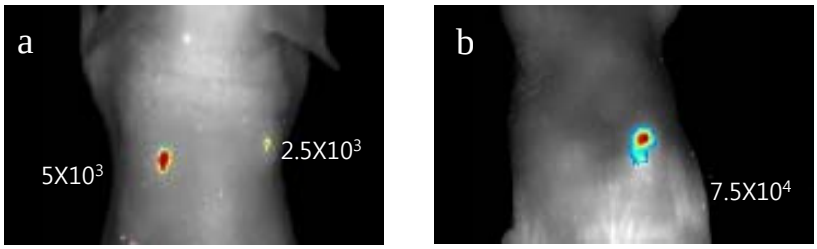


Figure 1. Even very small number of cells is available for detecting by using NEO-LIVE™
a) Subcutaneous injection ($5X10^3$, $2.5X10^3$ cells), b) liver injection ($7.5X10^4$ cells).

Deep tissue imaging

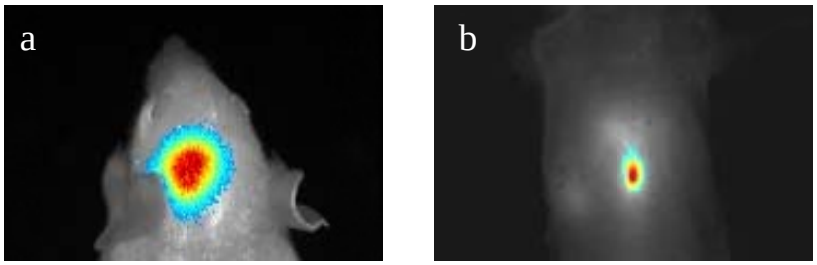
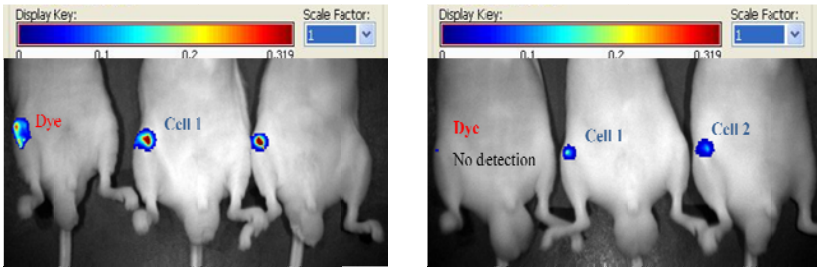


Figure 2. *In vivo* deep tissue imaging by using NEO-LIVE™
Cell labeled with NEO-LIVE™, was injected into brain (a), and spinal cord(b)
In even deep tissue, fluorescence signal of NEO-LIVE™ is clearly detected.

Long term *In vivo* cell tracking



0hrs **30 days**

Figure 3. Long term *in vivo* cell tracking by using NEO-LIVE™
Chondrocyte cells labeled with NEO-LIVE™ were injected in articular capsule of nude mice. Fluorescence signal of cell was clearly detected after 30 days.

Available Instrument

Maestro™ (CRI), IVIS(Xenogen), In-Vivo F System (KODAK), etc.

For more information please contact
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