



# Cobalt

FERRITE NANOPARTICLES

The unique physical and mechanical characteristics of cobalt ferrite ( $\text{CoFe}_2\text{O}_4$ ) have led to many important applications in nanomedicine. Cobalt ferrite is a hard, magnetic material and has a high coercivity (4.3kOe) and a high curie temperature ( $T_c 520^\circ\text{C}$ ). The material is also incredibly chemically stable and is resistant to wear, an electrical insulator. Such impressive properties has led to cobalt ferrite being regarded as a promising candidate for a large variety of different medical applications including magnetic drug delivery, radio-frequency hyperthermia and magnetic resonance imaging.



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# APPLICATIONS

- ✓ Drug Delivery
- ✓ Magnetic Resonance Imaging (MRI)
- ✓ Radio frequency Hyperthermia



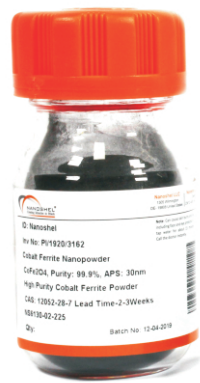
## SPECS

- ✓ Molecular Weight: 234.62 g/mol
- ✓ Color: Black/Gray
- ✓ Density: 5.3 g/cm<sup>3</sup>
- ✓ Melting Point : >400 °Cpoint)

All types of particles size are available in micro and nano range.

CATALOGUE NO.

- NS6130-02-225



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