

Native *Arthrobacter globiformis* Choline oxidase

Product Information

Cat#	DIA-139
Similar	Choline Oxidase
Source	<i>Arthrobacter globiformis</i>
Description	In enzymology, a choline oxidase (EC 1.1.3.17) is an enzyme that catalyzes the chemical reaction choline + O ₂ → betaine aldehyde + H ₂ O ₂ . Thus, the two substrates of this enzyme are choline and O ₂ , whereas its two products are betaine aldehyde and H ₂ O ₂ .
Form	Freeze dried powder
Activity	8-20 U/mg
CAS No.	9028-67-5
Storage	Store in tightly closed containers, desiccated, protected from light, at -20°C.
Synonyms	choline oxidase; EC 1.1.3.17; choline: oxygen 1-oxidoreductase
Enzyme Commission Number	EC 1.1.3.17
pH Stability	7.5-9.0 (37°C, 30 mins)
Optimum pH	7.5-8.0
Thermal stability	Stable at 40°C and below (pH 7.5, 10 mins)
Contaminants	Catalase/Choline oxidase ratio < 10:1; Glucose oxidase < 0.01%
Abbr	Choline oxidase (<i>Arthrobacter globiformis</i>)
Alias	choline oxidase
Product Overview	Native Choline oxidase (EC 1.1.3.17) was purified from <i>Arthrobacter globiformis</i> .
Appearance	Yellow amorphous powder