BBI Solutions

CATALASE

EC Number	1.11.1.6
Alternative Names	Hydrogen peroxide: hydrogen peroxide oxidoreductase
Assay Principle	$2H_2O_2 \xrightarrow{\text{Catalase}} 2H_2O + O_2$
Unit Definition	That amount of enzyme causing the decomposition of one micromole of hydrogen peroxide per minute at 25°C and pH 7.0.

How can Catalase be used?

Catalase can be used for diagnostic applications in coupled assay systems e.g. to measure uric acid, or to remove hydrogen peroxide. BBI's Catalase is available either extracted from bovine liver or from Aspergillus Niger fermentation.

Which product is right for me?

Our CATAN3F is highly stable and manufactured from Aspergillus Niger, which makes it the product of choice when a non-animal source is required. Native Catalase from Bovine Liver produces a highly activity enzyme. CAT2F is ideal if your application requires a highly active Catalase.

Key Benefits

+ SECURITY OF SUPPLY

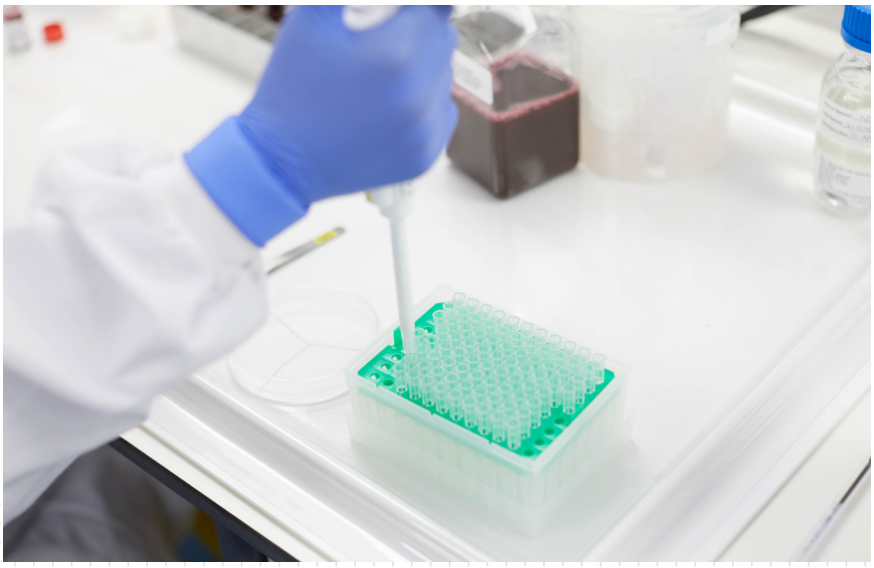
BBI have direct relationships with suppliers to ensure continuity of supply

+ CONSISTENCY OF SUPPLY

BBI have been manufacturing both products for over 40 years

+ FLEXIBILITY

BBI have both native and non-animal origin products to suit your application



Order your evaluation sample today

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Product Analysis

Code	Batch	Activity	Protein Concentration
CAT2F	114	14,500 U/mg material 46,600 U/mg protein	0.311 mg protein/mg material
CATAN3F	AN374B	6,230 U/mg material 15,900 U/mg protein	0.393 mg protein/mg material

Storage	Store at -15°C or below.
Stability	CAT2F – Stable for 6 months when stored in accordance with storage conditions. CATAN3F – Stable for 3 years when stored in accordance with storage conditions.

ORDERING DETAILS - USE THE FOLLOWING CODES WHEN ORDERING

Product	Code	Description	Source	Applications
Catalase	CAT2F	>11,700 U/mg material (Approximately 40,000 U/mg protein)	Bovine Liver	Clinical Chemistry
	CATAN3F	>4,000 U/mg material (Not less than 10,000 U/mg protein)	Aspergillus Niger	Peroxide Removal

Order a sample today sales@bbisolutions.com
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