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Fisher Biotec Biochemicals



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Fisher Biotec offers a comprehensive range of quality products at competitive prices. We specialise in the manufacture of leading-edge products for Molecular Biology, Genomics and Proteomics research.

IPTG (Isopropyl-beta-D-Thiogalactopyranoside)

IPTG is a non-metabolizable galactose analog that induces expression of the lac operon in E.coli. IPTG functions by binding to the lac I repressor and altering its confirmation preventing the repression of the b-galactosidase coding gene lac Z.

IPTG is a commonly used reagent in cloning procedures that require introduction of b-galactidase activity and is used in conjunction with X-Gal in blue-white selection of recombinant bacterial colonies.

(IPTG is dioxane free)

Catalog No	Pack Size
1758-1400-1	1 gm
1758-1400-5	5 gms
1758-1400-10	10 gms

X-Gal (5-Bromo-4-chloro-3-indolyl-beta-D-galactopyranoside)

X-Gal is a chromogenic substrate for b-galactosidase that produces a blue that can easily be detected visually over background. X-Gal is the substrate of choice for blue-white selection of recombinant bacterial colonies with the lac genotype.

Catalog No	Pack Size
1758-0300-05	500 mg
1758-0300-1	1 gms
1758-0300-5	5 gms
1758-0300-10	10 gms

DTT, Clelands Reagent (Dithiothreitol)

DTT or Clelands Reagent reduces disulfides to their corresponding thiols. It is used at low concentrations to stabilize enzymes containing free sulphhydryl groups. Higher concentrations of DTT are used to cleave disulphide linkages in polypeptides and to facilitate protein denaturation by detergents or chaotropic agents.

Catalog No	Pack Size
1758-9030-5	5 gms
1758-9030-10	10 gms
1758-9030-25	25 gms

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