

Datasheet for ONPG-5000**ONPG ELISA Beta-Galactosidase Substrate****Overview**

Description:	ONPG ELISA Beta-Galactosidase Substrate - ONPG-5000
Item No.:	ONPG-5000
Size:	5 g

Product Details

Background:	ONPG can be utilized as both a colorimetric and spectrophotometric detectable substrate for use with assays utilizing beta-galactosidase. Normally colorless, beta-galactosidase can hydrolyze ONPG into a yellow compound (ortho-nitrophenol) which can be detectable colorimetrically as an indicator of enzyme rate.
Synonyms:	ortho-Nitrophenyl- β -galactoside; ortho-Nitrophenyl-beta-galactoside

Target Details

Purity/Specificity:	Purity: >95%
	Melting Range: 174° to 177° C
	Molecular Weight: 301.25
	Formula: C ₁₂ H ₁₅ NO ₈
	Grade: UltraPure
	Special Precautions: Use good judgement and appropriate handling procedures when weighing.

Application Details

Application Note:	ONPG ELISA Beta-Galactosidase Substrate is a useful detection for ELISA.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1X

Formulation

Physical State:	Solid
Concentration:	1X

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store container at -20° C prior to opening. Protect ONPG ELISA Beta-Galactosidase from moisture and light. No special shipping conditions or precautions are required.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

