

Certificate of Analysis

Releaselt™ β -Agarase

Product Number: 8000
Lot Number: P221201PB
Assay Date: 03/23
Expiration Date: 03/25
Storage Temperature: -20 °C
Storage Buffer: 50% glycerol, 50 mM Tris-HCl, 50 mM KCl, 1 mM DTT, 0.1 mM EDTA.
Specification Version: DM-Releaselt-v1.1

Warning: This product is distributed for laboratory research use only. **Caution: Not for diagnostic use.** The safety and efficacy of this product in diagnostic or other clinical uses has not been established.

Unit Activity: Unit activity of β -Agarase is measured using 0.5 ml of 1% low melt agarose (RPI) in TAE buffer; 2.5 units of β -Agarase activity will completely dissolve 0.5 ml of 1% low melt agarose in 60 minutes at 50°C.

Recommended dosage for use: 1.0 to 2.0 U/ 200 mg of low melt agarose.

Physical Purity: Purified to >95% homogeneity as determined by SDS-PAGE analysis using Coomassie Blue detection.

DNase contamination: A fluorescent probe-based detection kit is used to test for DNase contamination.
Specification: Below the lower limit of detection (1×10^{-4} U DNase I activity) in 5 Units for 25 minutes at 37 °C.

RNase contamination: A fluorescent probe-based detection kit is used to test for RNase contamination.
Specification: Below the lower limit of detection (1 pg RNase A activity) in 1.25 Units for 25 minutes at 37 °C.

DNA contamination: A nucleic acid stain-based kit is used to quantify contaminating DNA.
Specification: <0.05 ng in 1.25 U.

Product meets all specifications.

SIGNATURE: 

Date: Mar 13, 2023