# CERTIFICATE OF ANALYSIS

Version 3.7
revised on January 16, 2026

## Enzymatic DeGlycoMx Kit

PRODUCT NAME: Enzymatic DeGlycoMx Kit
PRODUCT NUMBERS: KE-DGMX

LOT NUMBER: 601.2A
EXPIRATION DATE: June 3, 2028
ASSAY DATE: January 7, 2026

STORAGE: 4°C (Do not freeze)

ENZYME: Neuraminidase Au
PARENT LOT NUMBER: 206.1A
SOURCE: recombinant gene from *Arthrobacter ureafaciens* expressed in *E. Coli*
FORMULATION: 20 mM Tris-HCl, 20 mM NaCl pH 7.5, filter sterilized
ACTIVITY:

| | | |
|---|---|---|
| Activity[1] | 5 U/ml | (Specification: ≥ 5 U/ml) |
| Specific Activity[2] | 220 U/mg | (Specification: ≥ 135 U/mg) |

CONTAMINATING ACTIVITY ASSAYS:

| | | |
|---|---|---|
| Protease Assay[3] | Passed | (Specification "Passed") |

ENZYME: β(1-4) Galactosidase
PARENT LOT NUMBER: 505.1C
SOURCE: recombinant gene from *Streptococcus pneumoniae* expressed in *E. Coli*
FORMULATION: 20 mM Tris-HCl, 25 mM NaCl pH 7.5, filter sterilized
ACTIVITY:

| | | |
|---|---|---|
| Activity[1] | 3 U/ml | (Specification: ≥ 3 U/ml) |
| Specific Activity[2] | 12.1 U/mg | (Specification: ≥ 6 U/mg) |

CONTAMINATING ACTIVITY ASSAYS:

| | | |
|---|---|---|
| Protease Assay[3] | Passed | (Specification "Passed") |

ENZYME: N-Acetylglucosaminidase
PARENT LOT NUMBER: 502.1A
SOURCE: recombinant gene from *Streptococcus pneumoniae* expressed in *E. Coli*
FORMULATION: 20 mM Tris-HCl pH 7.5, 25 mM NaCl filter sterilized
ACTIVITY:

| | | |
|---|---|---|
| Activity[1] | 50 U/ml | (Specification: ≥ 40 U/ml) |
| Specific Activity[2] | 118 U/mg | (Specification: ≥ 80 U/mg) |

CONTAMINATING ACTIVITY ASSAYS:

| | | |
|---|---|---|
| Protease Assay[3] | Passed | (Specification "Passed") |

ENZYME: O-Glycosidase
PARENT LOT NUMBER: 501.1A
FORMULATION: 50 mM sodium phosphate pH 7.5, filter sterilized.
ACTIVITY:

| | | |
|---|---|---|
| Activity[1] | 1.25 U/ml | (Specification: ≥ 1.25 U/ml) |
| Specific Activity[2] | 24.2 U/mg | (Specification: ≥ 12 U/mg) |

CONTAMINATING ACTIVITY ASSAYS:

| | | |
|---|---|---|
| Protease Assay[3] | Passed | (Specification "Passed") |

*(Contined on page 2)*

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## Enzymatic DeGlycoMx Kit



| | | | |
|---|---|---|---|
| PRODUCT NAME: | Enzymatic DeGlycoMx Kit | | |
| PRODUCT NUMBER: | KE-DGMX | | |
| ENZYME: | PNGASE F | | |
| LOT NUMBER: | 507.1A | | |
| SOURCE: | *Elizabethkingia miricola* | | |
| FORMULATION: | The enzyme is provided as a sterile-filtered solution in 20 mM Tris-HCl (pH 7.5) | | |
| ACTIVITY: | Activity[1] | 5 U/ml | (Specification: ≥ 5 U/ml) |
| | Specific Activity[2] | 25 U/mg | (Specification: ≥ 25 U/mg) |

CONTAMINATING ACTIVITY ASSAYS:

| | | |
|---|---|---|
| Protease Assay[3] | Passed | (Specification “Passed”) |
| Endoglycosidase assay[4] | | Passed (Specification “Passed”) |
| Glycosidase activity[5] | | |
| Beta-Galactosidase | Passed | (Specification “Passed”) |
| N-acetylglucosaminidase | Passed | (Specification “Passed”) |
| Alpha-Galactosidase | Passed | (Specification “Passed” |

1. Defined as the amount of enzyme required to hydrolyze 1 $\mu$mole of p-nitrophenyl-alpha-p-mannoside to p-nitrophenol in 1 minute at pH 5.0 and 37˚C.
2. Protein concentration determined by Bradford method, using BSA as a standard.
3. For the protease assay, 10 $\mu$g of denatured BSA is incubated at 37ºC for 24 hr with 2 ul of enzyme. SDS-PAGE analysis of the treated BSA shows no evidence of degradation.
4. Unexpected glycosidic activity is tested by incubating the enzyme for 24 hours at 37°C with the appropriate substrates; the detection limit of this assay is 5 $\mu$U/ml (IUB). A passing lot will have no detectable activity.

President - QA-Bio Inc
Authorized by Mike Gibson-
January 16, 2026

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