

Art no: 05-0102

Lot no: 244110

CERTIFICATE OF ANALYSIS



Intertek

Product name:	<i>Triticum vulgare</i> (WGA) lectin
Production date:	2018-11
Date of release:	2022-08-03 (retested)
Stability:	2025-01
Source:	Wheat germ
Form:	Lyophilized
Molecular weight:	36 kDa
Storage:	-18 °C (may be shipped at ambient temp)

Analysis	Specification	Result
Activity	Agglutinates a 2% suspension of human erythrocytes, bloodgroup O, at $\leq 20 \mu\text{g/ml}$. The agglutination activity is inhibited by 100 mM N-Acetyl-D-Glucosamine.	Agglutination is inhibited by 100mM N-acetyl-D-glucosamine at 6x agglutination titer, 10 $\mu\text{g/mL}$. Titer control=64. Fulfills requirement.
Appearance	White/cream coloured powder or flocculate	Fulfills requirement
Identity	3 bands at native electrophoresis, compared to reference	Fulfills requirement
Microbiology	< 100 CFU/g	Fulfills requirement
Protein content	$\geq 85\%$ (A280), ϵ 1mg/ml = 1.54	Fulfills requirement
Solubility	1 mg/ml in 0.9% NaCl	Fulfills requirement

The above material has met all quality specifications and has been reviewed by a quality representative.

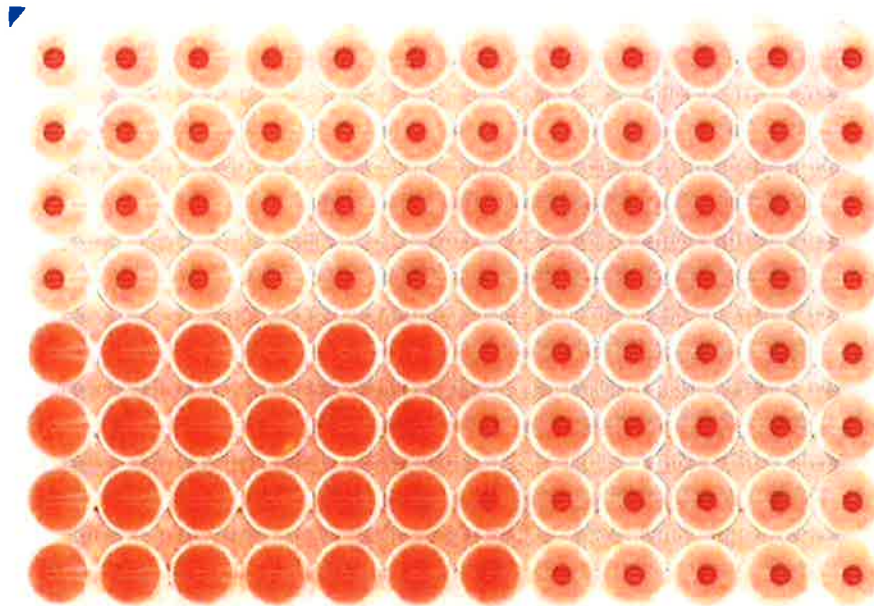
Appendix 1: Haemagglutination


Quality Assurance, Sebastian Määttä

2023-03-08
Date

Haemagglutination (human blood, group 0), Lot 244110-07
Weat Germ Lectin agglutinin (WGA)

Column 1	2	3	4	5	6	7	8	9	10	11	12	µg/mL
Conc 333	167	83	42	21	10	5.2	2.6	1.3	0.6	0.3	0.16	
Titer 0	2	4	8	16	32	64	128	256	512	1024	2048	



Row A,B Blank
 Row C,D With 100 mM N-acetyl-D-glucosamine
 Row E,F With 10 mM N-acetyl-D-glucosamine
 Row G,H Only lectin without N-acetyl-D-glucosamine (agglutination control)

Plate scanned:

Signature:



Salah Ahmed / 2022-08-02