



Product name:	<b><i>Triticum vulgare</i> (WGA) lectin</b>
Production date:	2022-11
Date of release:	2023-01-09
Stability:	2027-11
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 0, at $\leq 20 \mu\text{g/ml}$ . The agglutination activity is inhibited by 100 mM N-Acetyl-D-Glucoseamine.	Pass
Appearance	White/cream coloured powder or flocculate	Pass
Identity	3 bands at native electrophoresis, compared to reference	Pass
Microbiology	$< 100 \text{ CFU/g}$	Pass
Protein content	$\geq 85\%$ (A280), $\epsilon 1 \text{ mg/ml} = 1.54$	Pass
Solubility	1 mg/ml in 0.9% NaCl	Pass

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

#### Appendix 1: Haemagglutination

*Sebastian Määttä*

2023-01-09

Quality Assurance, Sebastian Määttä

Date

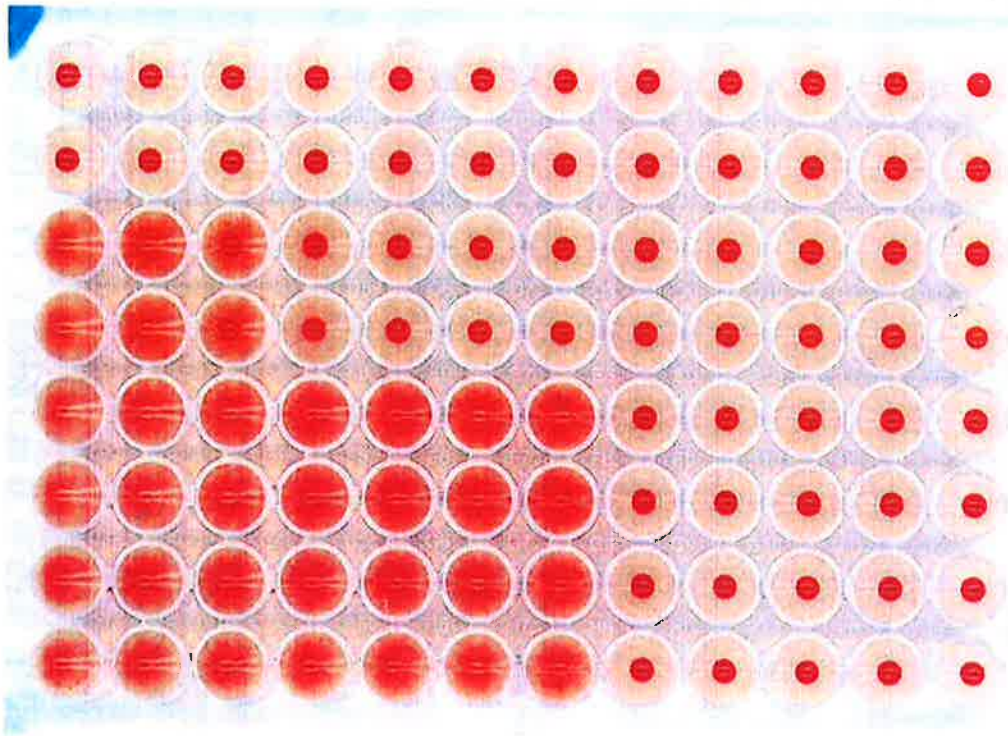
+

**Bilaga 3, tillhör M-00020**

**Haemagglutination (human blood, group 0), Lot 284806**

**Weat Germ Lectin agglutinin (WGA)**

Column	1	2	3	4	5	6	7	8	9	10	11	12	
Conc	333	167	83	42	21	10	5.2	2.6	1.3	0.6	0.3	0.16	µg/mL
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 / 2022-12-05