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Product Specification

Product Name:

Lectin from Lycopersicon esculentum (tomato) - FITC conjugate, buffered aqueous solution

Product Number:

L0401

Storage Temperature:

2 - 8 °C

TEST

Specification

Appearance (Color)	Yellow to Yellow-Green
Appearance (Turbidity)	Clear
Appearance (Form)	Liquid
In 10 mM HEPES, 0.15M NaCl, pH 7.5, containing 0.1 mM Ca, 0.08% sodium azide and 5 mg/ml Beta Cyclodextrin	
mg protein/ml (Lowry)	≥ 0.40
with TCA precipitation	
Degree of Substitution	2.0 - 6.0
moles FITC/mole Lectin	
ug Lectin/ml	≤ 5.0
Agglutinates a 2% suspension of fresh human erythrocytes at	
< = 5.0 ug Lectin/mL after 1 hour incubation at 25 deg C.	
N,N',N''- Triacetylchitotriose	≤ 1250 µg/ml
Using 4X agglutination titer and 1.3% suspension of human erythrocytes	
N,N' - Diacetylchitobiose	≤ 10000 µg/ml
N-acetyl-D-Glucosamine	< 10000 µg/ml
D- + -Mannose	Pass
No inhibition detected at 10,000 ug/mL using D(+)-Mannose	
N-acetyl-D-galactosamine	Pass
No inhibition detected at 10,000 ug/mL using N-acetyl-D-galactosamine	
Concentration	Conforms
2 mg active conjugate/mL	

Specification: PRD.2.ZQ5.10000022444

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.