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## Product Specification

Product Name:  
Sialic Acid Quantitation Kit

Product Number: SIALICQ

Storage Temperature: 2 - 8 °C

TEST	Specification
Kit Comp (Component 1) A0849 (Aldolase)	-----
Enzymatic Activity of A0849 (Aldolase): U/mL Unit Definition: One unit will release 1.0 µmole of pyruvate from N-acetylneuraminic acid per minute at pH 7.5 at 37°C in a coupled system with lactic dehydrogenase.	≥ 12.5
Kit Comp (Component 2) N8271 (alpha(2-3,6,8,9) Neuraminidase)	-----
Activity of N8271 (alpha(2-3,6,8,9) Neuraminidase): U/ml Unit Definition: One unit will catalyze the release of 1.0 µmole of 4-methylumbelliferone from 2'-(4-methylumbelliferyl) alpha-D-N-acetylneuraminic acid per minute at pH 5.0 at 37°C.	≥ 5
Kit Comp (Component 3) L9889 (Lactic Dehydrogenase)	-----
Activity of L9889 (Lactic Dehydrogenase): U/ml Unit Definition: One unit will catalyze the transformation of 1.0 µmole of L-lactate to pyruvate per minute at pH 7.5 at 37°C.	≥ 1000
Kit Comp (Component 4) A0974 (N-acetylneuraminic acid)	-----
Concentration of A0974 (N-acetylneuraminic Acid): 10 mM	Conforms
Kit Comp (Component 5) S7189 (Sialidase Buffer)	-----

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](http://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.

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TEST	Specification
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Formulation	-----
of S7189 (Sialidase Bufer):	
250 mM sodium phosphate, pH 5	
Kit Comp (Component 6)	-----
F4301 (Bovine Fetuin)	
Kit Comp (Component 7)	-----
T3946 (Tris-HCl, pH 7.5)	
Concentration	Conforms
of T3946 (Tris-HCl, pH 7.5): 1 M	

Specification: PRD.0.ZQ5.10000090152

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