

Materials List for:

# Printed Glycan Array: A Sensitive Technique for the Analysis of the Repertoire of Circulating Anti-carbohydrate Antibodies in Small Animals

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## Materials

Name	Company	Catalog Number	Comments
<b>Antibodies</b>			
biotinylated goat anti-human Igs	Thermo Fisher Scientific, Waltham, MA, USA	Ref. #: 31782	
biotinylated goat anti-mouse IgM + IgG	Thermo Fisher Scientific	Ref. #: 31807	
<b>Equipment</b>			
Robotic Arrayer sciFLEXARRAYER S5	Scienion AG, Berlin, Germany	<a href="http://www.scienion.com/products/sciflexarrayer/">http://www.scienion.com/products/sciflexarrayer/</a>	
Stain Tray (slide incubation chamber)	Simport, Beloeil, QC, Canada	Ref. #: M920-2	
Centrifuge	Eppendorf, Hamburg, Germany	Ref. #: 5810 R	
Pipettes	Gilson, Middleton, WI, USA	<a href="http://www.gilson.com/en/Pipette/">http://www.gilson.com/en/Pipette/</a>	
Slide Scanner	PerkinElmer, Waltham, MA, USA	ScanArray G <sub>x</sub> Plus	
Shaking incubator	Cole-Parmer, Staffordshire, UK	Ref. #: SI50	
<b>Biological samples</b>			
BALB/c mice sera	This paper	N/ A	
Complex Immunoglobulin Preparation (CIP)	Immuno-Gem, Moscow, Russia	<a href="http://www.biomedservice.ru/price/goods/1/17531">http://www.biomedservice.ru/price/goods/1/17531</a>	
<b>Chemicals, Reagents and Glycans</b>			
Glycan library	Institute of Bioorganic Chemistry (IBCh), Moscow, Russia	N/ A	
Bovine serum albumin (BSA)	Sigma-Aldrich, St. Louis, MO,	Ref. #: A9418	
Ethanolamine	Sigma-Aldrich	Ref. #: 411000	
Tween-20	Merck Chemicals & Life Science S.A., Madrid, Spain	Ref. #: 655204	
Phosphate buffered saline (PBS)	VWR International Eurolab S.L., Barcelona, Spain	Ref. #: E404	
Sodium azide	Sigma-Aldrich	Ref. #: S2002	
Streptavidin Alexa Fluor 555 conjugate	Thermo Fisher Scientific	Ref. #: S21381	

Streptavidin Cy5 conjugate	GE Healthcare, Little Chalfont, Buckinghamshire, UK	Ref. #: PA45001	
<b>Materials</b>			
N-hydroxysuccinimide-derivatized glass slides H	Schott-Nexterion, Jena, Germany	Ref. #: 1070936	
Whatman filter paper	Sigma-Aldrich	Ref. #: WHA10347509	
1.5 mL tubes	Eppendorf	Ref. #: 0030120086	
<b>Software and algorithms</b>			
ScanArray Express Microarray Analysis System	PerkinElmer	<a href="http://www.perkinelmer.com/microarray">http://www.per</a>	
<a href="http://kinelmer.com/microarray">kinelmer.com/microarray</a>			
Hierarchical Clustering Explorer application	University of Maryland, MD, USA	<a href="http://www.cs.umd.edu/hcil/hce/">http://www.cs.umd.edu/hcil/hce/</a>	