

stem region of hemagglutinin protein into or around the c/e1 loop of the core protein. The nanoparticles formed by the use of Hepatitis B virus core proteins can be disassembled and re-assembled, allowing mixing of antigens. Furthermore, the nanoparticles can be expressed in prokaryotic and eukaryotic expression systems. Thus, the platform provides a means for an optimal display of influenza epitopes for the induction of immune response including broadly neutralizing antibodies against the virus and therefore has the potential to be developed into an efficient universal vaccine against influenza virus infection.

This technology is available for licensing for commercial development in accordance with 35 U.S.C. 209 and 37 CFR part 404, as well as for further development and evaluation under a research collaboration.

Potential Commercial Applications

- Vaccine against viruses; vaccines against influenza virus; universal influenza virus vaccine

Competitive Advantages

- The nanoparticles may be disassembled and re-assembled allowing mixing of antigens
- Expression in prokaryotic and eukaryotic systems
- Avoids production and usage of live viruses for vaccine generation
- Effective immune response due to the use of authentic viral antigens
- Stability of particle and immunogenicity after high temperature exposure
- Incorporation of epitopes from group 1 and group 2 influenza viruses
- Broadly neutralizing antibodies against influenza virus

Development Stage

- Pre-clinical; in vivo data available (animal)

Inventors: Audray K. Harris, Ph.D., (NIAID) and Dustin McCraw, Ph.D., (NIAID).

Publications: Gallagher JR, *et al.*, Characterization of the disassembly and reassembly of the HBV glycoprotein surface antigen, a pliable nanoparticle

vaccine platform. *Virology*, 2017, Feb; 502:176–187 [PMID 28061386].

Intellectual Property: HHS Reference No. E-005–2017/0—U.S. Patent Application No. 62/540,474 filed August 2, 2017.

Licensing Contact: Jenish Patel, Ph.D., 240–669–2894; jenish.patel@nih.gov.

Collaborative Research Opportunity: The National Institute of Allergy and Infectious Diseases is also seeking statements of capability or interest from parties interested in collaborative research. NIAID would like a prospective collaborator to have one or more of the following capabilities: (1) Capacity to produce recombinant protein for animal vaccine studies; (2) perform and evaluate immunogenicity (antibody response) of influenza vaccine antigens in animal (e.g. mouse models); (3) perform and evaluate challenge and protection studies of vaccines and influenza viruses. (e.g. mouse models); and (4) if results are promising from animal studies, capacity to generate clinical grade materials and perform clinical studies. NIAID will consider executing a Confidentiality Agreement with a prospective collaborator to facilitate receipt of a Capability Statement if requested. For collaboration opportunities, please contact Jenish Patel, Ph.D., 240–669–2894; jenish.patel@nih.gov.

Dated: February 27, 2018.

Suzanne Frisbie,

Deputy Director, Technology Transfer and Intellectual Property Office, National Institute of Allergy and Infectious Diseases.

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BILLING CODE 4140–01–P

DEPARTMENT OF HOMELAND SECURITY

U.S. Customs and Border Protection

Accreditation and Approval of SGS North America, Inc., as a Commercial Gauger and Laboratory

AGENCY: U.S. Customs and Border Protection, Department of Homeland Security.

ACTION: Notice of accreditation and approval of SGS North America, Inc., as a commercial gauger and laboratory.

SUMMARY: Notice is hereby given, pursuant to CBP regulations, that SGS North America, Inc., has been approved to gauge and accredited to test petroleum and petroleum products for customs purposes for the next three years as of August 24, 2017.

DATES: The accreditation and approval of SGS North America, Inc., as commercial gauger and laboratory became effective on August 24, 2017. The next triennial inspection date will be scheduled for August 2020.

FOR FURTHER INFORMATION CONTACT: Mr. Stephen Cassata, Laboratories and Scientific Services, U.S. Customs and Border Protection, 1300 Pennsylvania Avenue NW, Suite 1500N, Washington, DC 20229, tel. 202–344–1060.

SUPPLEMENTARY INFORMATION: Notice is hereby given pursuant to 19 CFR 151.12 and 19 CFR 151.13, that SGS North America, Inc., 12650 McManus Blvd., Suite 103, Newport News, VA 23602, has been approved to gauge and accredited to test petroleum and petroleum products for customs purposes, in accordance with the provisions of 19 CFR 151.12 and 19 CFR 151.13. SGS North America, Inc., is approved for the following gauging procedures for petroleum and certain petroleum products set forth by the American Petroleum Institute (API):

API chapters	Title
1	Vocabulary.
3	Tank gauging.
7	Temperature Determination.
8	Sampling.
12	Calculations.
17	Maritime Measurements.

SGS North America, Inc., is accredited for the following laboratory analysis procedures and methods for petroleum and certain petroleum products set forth by the U.S. Customs and Border Protection Laboratory Methods (CBPL) and American Society for Testing and Materials (ASTM):

CBPL No.	ASTM	Title
27–03	ASTM D–4006	Standard test method for water in crude oil by distillation.
27–04	ASTM D–95	Standard test method for water in petroleum products and bituminous materials by distillation.
27–06	ASTM D–473	Standard test method for sediment in crude oils and fuel oils by the extraction method.
27–08	ASTM D–86	Standard Test Method for Distillation of Petroleum Products.
27–11	ASTM D–445	Standard test method for kinematic viscosity of transparent and opaque liquids (and calculations of dynamic viscosity).
27–13	ASTM D–4294	Standard test method for sulfur in petroleum and petroleum products by energy-dispersive x-ray fluorescence spectrometry.
27–48	ASTM D–4052	Standard test method for density and relative density of liquids by digital density meter.
27–54	ASTM D–1796	Standard test method for water and sediment in fuel oils by the centrifuge method (Laboratory procedure).

CBPL No.	ASTM	Title
27-58	ASTM D-5191	Standard Test Method For Vapor Pressure of Petroleum Products (Mini Method).
N/A	ASTM D-4007	Standard Test Method for Water and Sediment in Crude Oil by the Centrifuge Method (Laboratory Procedure).

Anyone wishing to employ this entity to conduct laboratory analyses and gauger services should request and receive written assurances from the entity that it is accredited or approved by the U.S. Customs and Border Protection to conduct the specific test or gauger service requested. Alternatively, inquiries regarding the specific test or gauger service this entity is accredited or approved to perform may be directed to the U.S. Customs and Border Protection by calling (202) 344-1060. The inquiry may also be sent to cbp.labhq@dhs.gov. Please reference the website listed below for a complete listing of CBP approved gaugers and accredited laboratories: <http://www.cbp.gov/about/labs-scientific/commercial-gaugers-and-laboratories>.

Dated: February 28, 2018.

James D. Sweet,

Acting Executive Director, Laboratories and Scientific Services Directorate.

[FR Doc. 2018-04757 Filed 3-8-18; 8:45 am]

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DEPARTMENT OF HOMELAND SECURITY

U.S. Customs and Border Protection

Accreditation and Approval of SGS North America, Inc., as a Commercial Gauger and Laboratory

AGENCY: U.S. Customs and Border Protection, Department of Homeland Security.

ACTION: Notice of accreditation and approval of SGS North America, Inc., as a commercial gauger and laboratory.

SUMMARY: Notice is hereby given, pursuant to CBP regulations, that SGS North America, Inc., has been approved to gauge and accredited to test petroleum and petroleum products for customs purposes for the next three years as of April 6, 2017.

DATES: The accreditation and approval of SGS North America, Inc., as commercial gauger and laboratory became effective on April 6, 2017. The next triennial inspection date will be scheduled for April 2020.

FOR FURTHER INFORMATION CONTACT: Mr. Stephen Cassata, Laboratories and Scientific Services, U.S. Customs and Border Protection, 1300 Pennsylvania

Avenue NW, Suite 1500N, Washington, DC 20229, tel. 202-344-1060.

SUPPLEMENTARY INFORMATION: Notice is hereby given pursuant to 19 CFR 151.12 and 19 CFR 151.13, that SGS North America, Inc., 3735 W. Airline Hwy., Reserve, LA 70084, has been approved to gauge and accredited to test petroleum and petroleum products for customs purposes, in accordance with the provisions of 19 CFR 151.12 and 19 CFR 151.13. SGS North America, Inc., is approved for the following gauging procedures for petroleum and certain petroleum products set forth by the American Petroleum Institute (API):

API chapters	Title
3	Tank gauging.
7	Temperature Determination.
8	Sampling.
12	Calculations.
17	Maritime Measurements.

SGS North America, Inc., is accredited for the following laboratory analysis procedures and methods for petroleum and certain petroleum products set forth by the U.S. Customs and Border Protection Laboratory Methods (CBPL) and American Society for Testing and Materials (ASTM):

CBPL No.	ASTM	Title
27-01	ASTM D-287	Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method).
27-03	ASTM D-4006	Standard test method for water in crude oil by distillation.
27-05	ASTM D-4928	Standard Test Method for Water in Crude Oils by Coulometric Karl Fischer Titration.
27-06	ASTM D-473	Standard test method for sediment in crude oils and fuel oils by the extraction method.
27-13	ASTM D-4294	Standard test method for sulfur in petroleum and petroleum products by energy-dispersive x-ray fluorescence spectrometry.
27-48	ASTM D-4052	Standard test method for density and relative density of liquids by digital density meter.

Anyone wishing to employ this entity to conduct laboratory analyses and gauger services should request and receive written assurances from the entity that it is accredited or approved by the U.S. Customs and Border Protection to conduct the specific test or gauger service requested. Alternatively, inquiries regarding the specific test or gauger service this entity is accredited or approved to perform may be directed to the U.S. Customs and Border Protection by calling (202) 344-1060. The inquiry may also be sent to cbp.labhq@dhs.gov. Please reference the website listed below for a complete listing of CBP approved gaugers and

accredited laboratories: <http://www.cbp.gov/about/labs-scientific/commercial-gaugers-and-laboratories>.

Dated: February 28, 2018.

James D. Sweet,

Acting Executive Director, Laboratories and Scientific Services Directorate.

[FR Doc. 2018-04761 Filed 3-8-18; 8:45 am]

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DEPARTMENT OF HOMELAND SECURITY

U.S. Customs and Border Protection

Accreditation and Approval of Saybolt LP (Wilmington, NC) as a Commercial Gauger and Laboratory

AGENCY: U.S. Customs and Border Protection, Department of Homeland Security.

ACTION: Notice of accreditation and approval of Saybolt LP (Wilmington, NC) as a commercial gauger and laboratory.