World Health Organization

Summary of status of development and availability of avian influenza A(H7N9) candidate vaccine viruses

20 December 2013

Parent virus	Candidate vaccine virus	Type of virus or reassortant	Developing institute	Available from
A/Shanghai/2/2013 Synthetic HA&NA	IDCDC-RG32A*	Reverse genetics	CDC, USA	CDC, USA
	IDCDC-RG32A.3*	**Reverse genetics**	**CDC, USA**	**CDC, USA**
	NIBRG-267*	Reverse genetics	NIBSC, UK	NIBSC, UK
	CBER-RG4A*	Reverse genetics	CBER, USA	CBER, USA
A/Anhui/1/2013	Wild type virus			WHO CCs
	NIBRG-268*	Reverse genetics	NIBSC, UK	NIBSC, UK
	NIIDRG-10.1*	Reverse genetics	NIID, Japan	NIID, Japan
	IDCDC-RG33A**	Reverse genetics	CDC, USA	CDC, USA

***new candidate vaccine virus**

* **These viruses are candidate vaccine viruses which have passed relevant safety testing and two-way haemagglutination inhibition (HI) tests. They can be handled under BSL-2 enhanced containment[1].**

** **This is a *potential* candidate vaccine virus which has passed two-way haemagglutination inhibition (HI) tests but the safety testing is still being finalized. It must be handled under BSL-3 containment.**

Institutes contact details for candidate vaccine viruses orders/information:

CBER: Zhiping.Ye@fda.hhs.gov
CDC: rvd6@cdc.gov
NIBSC: standards@nibsc.org
NIID: nobusawa@nih.go.jp
WHO CCs: http://www.who.int/influenza/gisrs_laboratory/collaborating_centres/list/en/

Sheep antisera

Antisera directed against:	Order Lot #	Available from
A/Anhui/1/2013-like	13/180	NIBSC, UK
	13/166#	

[#] Anti NA serum for tests of Neuraminidase identification

The above-listed potency testing reagents for A(H7N9) vaccines have been developed with support from WHO CCs and Essential Regulatory Laboratories (ERLs) and calibrated by the ERLs that provide advice to WHO as part of the influenza vaccine virus selection and development process.

ERLs contact details for reagent orders and other information:
NIBSC: standards@nibsc.org

For general enquiries, please contact gisrs-whohq@who.int

For other candidate vaccine viruses and potency testing reagents, please go to http://www.who.int/influenza/vaccines/virus/candidates_reagents/home/