Public Health England

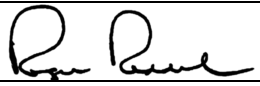
Biohazard Risk Assessment

To be completed prior to acceptance of a Cell Line into a European Collection of Authenticated Cell Cultures (ECACC) repository

For Culture Collections use only		
Type of Deposit: Accession / Safe / Patent/ Sample for testing		
Accession Number(s):	Batch Number(s):	
ACDP Hazard Group:		
CBA-1 notification: Required / Not Required Sent: Received:	GMSC notification: Class 1 / 2 / 3 / Not Required Sent: Received:	
Containment Level:	Comment:	
Signature (Deposit approved):		Date:

For completion by Depositor:

1. Depositor Information

Institution	CellBank Australia		
Address	The Children's Medical Research Institute 214 Hawkesbury Rd Westmead, NSW 2145 - Australia		
Title & name of Depositor	Director, Professor Roger Reddel		
I confirm that the details given here are full and true to the best of my knowledge.			
Signature		Date	23 September 2021

2. Cell Line Identity

Cell Line Name	HeLa H2B-2FP also known as HeLa-2FP, (CBA-1861)
Tissue Type	Cervix, cervical carcinoma
Species	Human
Morphology	Epithelial-like

3. Safety Information

All organisms must be assigned to a Hazard group: See Advisory Committee on Dangerous Pathogens (ACDP) Approved List of Biological Agents at www.hse.gov.uk/pubns/misc208.pdf

Is the cell line known to contain or secrete a virus or virus-like particles?	Yes ☐ No ☒ Further details
ACDP Hazard Group	1 ☐ 2 ☒ 3 ☐ 4 ☐
Is the cell line listed under the UK Specified Animal Pathogen Order (SAPO)?	Yes ☐ No ☒
Is the cell line known to contain/produce a biologically active substance that could cause harm to humans (e.g. toxin, cytokine, hormone, allergen, oncogene)? Yes ☒ No ☐ Further details: Cells contain E6 protein which degrades p53, functionally knocking it out	
Are you including any Risk Assessment performed at your site?	Yes ☐ No ☒ If yes, please attach.

Please supply a Material Safety Data Sheet	Attached ☐ To follow ☒
In light of your knowledge of this cell line and its origination, what is your assessment of its potential to cause harm to human health in the event of exposure?	Negligible ☐ Low ☒ Medium ☐ High ☐ If the answer is “medium” or “high” please provide further details:
Does this cell line have the ability to survive, establish, and disseminate in the environment?	Yes ☐ No ☒ If the answer is yes, please provide further details:
If you are sending ampoules to ECACC are they glass or plastic vials? **N.B. Plastic vials are the preferred option**	Plastic Vials

Important Note: Organisms pathogenic to humans or animals are subject to import/ export license and transport regulations

4. Genetic Modification

Is the Cell Line Genetically Modified?	Yes ☒ No ☐ If Yes, what Class?: 1 ☒ 2 ☐ 3 ☐ 4 ☐
Description of genetic modification of the cell line: *HeLa cells dually transduced with Retrovirus to stably express H2B tagged with GFP, from pWZL backbone, and H2B tagged with mCherry*	
What is the risk that the genetic modification can confer pathogenic traits in the host cell/organism or related organisms?	Unlikely ☒ Possible ☐ Demonstrated ☐ If the answer is “possible” or “demonstrated” please provide further details:
What is potential for sequences in the cell line being transferred to another related organism?	Unlikely ☒ Possible ☐ Demonstrated ☐ If the answer is “possible” or “demonstrated” please provide further details:

Please note that Culture Collections may request further information in order to complete its risk assessment.

If you require any assistance completing this form, please contact

CultureCollections @phe.gov.uk