

# IncuCyte® A549 NuLight Red Cell Line

1. IDENTIFICATION	
Product code:	Catalogue Number 4491
Product name:	IncuCyte® A549 NuLight Red Cell Line
Unit size:	1 mL
Manufacturer/supplier:	Essen BioScience Inc. 300 West Morgan Road Ann Arbor MI 48108 USA
Emergency contact:	+1 (734) 769-1600
Fax contact:	+1 (734) 769-7295

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. HAZARD(S) IDENTIFICATION							
<p>This cell line was infected with a 3rd generation replication-defective lentiviral vector, which is not known to cause any diseases in humans or animals. However, lentivirus particles still pose some biohazardous risk because they can transduce primary human cells and can integrate into the host cell genome thus posing some risk of insertional mutagenesis. For this reason, we highly recommend that you treat cells transfected with lentiviral reagents at Biosafety Level 2 (BSL-2, BL-2) organisms and strictly follow all published BL-2 guidelines with proper waste decontamination. For more information about the BL-2 guidelines and lentivirus handling, we recommend referring to local documentation based on geography. The Essen BioScience 3rd generation HIV-based lentiviruses used to create this cell line meet BL-2 requirements based on the criteria in the document, "Biosafety in Microbiological and Biomedical Laboratories", 5th Edition, published by the Centers for Disease Control (CDC). This document may be downloaded at <a href="http://www.cdc.gov/biosafety/publications/bmbl5/index.htm">http://www.cdc.gov/biosafety/publications/bmbl5/index.htm</a></p> <p>Institutional Guidelines: Safety requirements for use and handling of cells transfected with lentiviruses may vary at individual institutions. We recommend consulting your institution's health and safety guidelines and/or officers prior to implementing the use of these reagents in your experiments.</p>							
Signal word:	Not hazardous.						
Health hazard:	Not hazardous.						
Hazard pictogram:	None						
Principle routes of exposure/Potential health effects							
Eyes:	No information available.						
Skin:	No information available.						
Inhalation:	No information available.						
Ingestion:	May be harmful if swallowed.						
Specific effects							
Carcinogenic effects:	No information available.						
Mutagenic effects:	No information available.						
Reproductive toxicity:	No information available.						
Sensitization:	No information available.						
Target organ effects:	No information available.						
HMIS:	<table border="1"> <thead> <tr> <th>Health</th> <th>Flammability</th> <th>Reactivity</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Health	Flammability	Reactivity	0	0	0
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0	0	0					

<b>3. COMPOSITION / INFORMATION ON INGREDIENTS</b>									
This product contains no substance which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.									
<b>4. FIRST-AID MEASURES</b>									
Skin contact:	Rinse with plenty of water. If symptoms arise, call a physician.								
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.								
Ingestion:	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.								
Inhalation:	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.								
Notes to physician:	Treat symptomatically.								
<b>5. FIRE-FIGHTING MEASURES</b>									
Suitable extinguishing media:	Dry chemical, water spray or appropriate foam.								
Special protective equipment for firefighters:	Wear self-contained breathing apparatus and protective suit.								
<b>6. ACCIDENTAL RELEASE MEASURES</b>									
Personal precautions:	Use personal protective equipment.								
Methods for cleaning up:	Soak up with inert absorbent material.								
Environmental precautions:	Prevent product from entering drains.								
<b>7. HANDLING AND STORAGE</b>									
Handling:	No special handling advice required.								
Storage:	Keep in properly labeled containers.								
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>									
Chemical name IncuCyte® A549 NuLight Red Cell Line	<table border="1"> <thead> <tr> <th>OSHA PEL</th> <th>OSHA PEL (Ceiling)</th> <th>ACGIH OEL (TWA)</th> <th>ACGIH OEL (STEL)</th> </tr> </thead> <tbody> <tr> <td>None</td> <td>None</td> <td>None</td> <td>None</td> </tr> </tbody> </table>	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)	None	None	None	None
OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)						
None	None	None	None						
Engineering measures:	Ensure adequate ventilation, especially in confined areas.								
Personal protective equipment:	Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.								
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.								
Hand protection:	Impervious gloves.								
Eye protection:	Safety glasses with side-shields.								
Skin and body protection:	Lightweight protective clothing.								
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.								

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
General Information	
Form:	Frozen.
Important health and safety information	
Boiling point:	No information available.
Melting point/range:	No information available.
Flash point:	No information available.
Autoignition temperature:	No information available.
Oxidizing properties:	No information available.
Water solubility:	No data available.
<b>10. STABILITY AND REACTIVITY</b>	
Stability:	Stable under normal conditions.
Materials to avoid:	No dangerous reaction known under conditions of normal use.
Hazardous decomposition products:	No information available.
Polymerization:	Hazardous polymerization does not occur.
<b>11. TOXICOLOGICAL INFORMATION</b>	
Acute toxicity:	Not hazardous.
Principle routes of exposure/potential health effects	
Eyes:	No information available.
Skin:	No information available.
Inhalation:	No information available.
Ingestion:	May be harmful by ingestion.
Carcinogenic effects:	No information available.
Mutagenic effects:	No information available.
Reproductive toxicity:	No information available.
Sensitization:	No information available.
Target organ effects:	No information available.
<b>12. ECOLOGICAL INFORMATION</b>	
Ecotoxicity effects:	No information available.
Mobility:	No information available.
Biodegradation:	Inherently biodegradable.
Bioaccumulation:	Does not bioaccumulate.
<b>13. DISPOSAL CONSIDERATIONS</b>	

14. TRANSPORT INFORMATION		IATA
Proper shipping name:	Not classified as dangerous in the meaning of transport regulations.	
Hazard class:	No information available.	
Subsidiary class:	No information available.	
Packing group:	No information available.	
UN-No:	No information available.	
15. REGULATORY INFORMATION		
US Federal Regulations		
SARA 313:	This product is not regulated by SARA.	
Clean air act, section 112 hazardous air pollutants (HAPs) (see 40 CFR 61):	This product does not contain HAPs.	
US State Regulations		
California Proposition 65:	This product does not contain chemicals listed under Proposition 65.	
WHMIS Hazard Class:	Non-controlled.	
16. OTHER INFORMATION		<b>Includes the date of preparation or last revision.</b>

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The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting

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**END OF SAFETY DATA SHEET**