

Datasheet: PIP044

Description:	NATIVE RUBELLA VIRUS
Name:	RUBELLA VIRUS
Format:	Inactivated Pathogen
Product Type:	Antigen
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Inactivated Rubella virus - liquid
Preparation	Rubella virus, HPV-77 strain, cultured in Vero cells, an established cell line from African Green Monkey kidney. Infected cells release virus particles into the culture supernatant. The supernatant is harvested, clarified and concentrated. The virus suspension is purified by one cycle of sucrose gradient purification. The antigen preparation is inactivated by exposure to UV light. This method leads to maximum loss of infectivity with a minimum loss of antigenicity.
Buffer Solution	NTE buffer (Sodium chloride, Tris and EDTA) + sucrose buffer
Preservative Stabilisers	None present
Approx. Protein Concentrations	Please see label for concentration
Product Information	Native Rubella Virus preparation contains more than 90% virus specific protein. The predominant form of the antigen is whole virions suspended in NTE buffer with sucrose.

Some residual non-viral protein from the host tissue is present. The preparation does not contain detergent.

Rubella virus is an enveloped, single-stranded RNA virus of the *Togaviridae* family. Infection with the virus leads to rubella, commonly known as German measles, a common childhood illness. The primary symptom is a rash on the face, trunk and limbs which normally fades after about three days. Fever, swollen glands, joint pains, headaches and conjunctivitis may also be present. Symptoms are usually mild and the virus is rapidly eliminated from the body. Infection of a pregnant woman is potentially serious since the child may be born with congenital rubella syndrome, characterised by cardiac, cerebral, ocular and auditory defects.

For a more highly purified Rubella virus preparation, please see [PIP045](#).

Activity	Antigenic activity is 143% of internal reference standard.
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Instructions For Use	PIP044 should be sonicated immediately before use to ensure the preparation is uniform. The product may be used in a variety of immunoassay formats.
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Storage	Store at -70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
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Guarantee	Guaranteed until date of expiry. Please see product label.
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Health And Safety Information	Material Safety Datasheet documentation #10503 available at: 10503: https://www.bio-rad-antibodies.com/uploads/MSDS/10503.pdf
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This product has been rendered inactive by standard procedures. However this material should still be handled as infectious and should be disposed of appropriately.

Regulatory	For research purposes only
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