

# dsRNA-unmodified Standard (High Concentration)

DD3413-C1



Version 25.1

## 01/Product Description

Double-stranded RNA (dsRNA), which is a type of RNA with a complementary strand, similar to DNA found in cells. dsRNA makes up the genome of some viruses (double-stranded RNA viruses). Double-stranded RNAs such as viral RNA or siRNA are able to promote RNA interference in eukaryotic cells and elicit an interferon response in vertebrates. This standard is formed by T7 RNA polymerase *in vitro* by annealing after transcription using a DNA sequence with a T7 promoter as a template and four NTPs (ATP, GTP, CTP, UTP) as substrates.

## 02/Components

Component	DD3413-C1
dsRNA-unmodified Standard (3 µg/ml)	50 µl

## 03/Buffer

Buffer: 20 mM Tris-HCl, 10 mM EDTA, 100 mM NaCl, pH 7.0

## 04/Storage

Store at -30 ~ -15°C and ship at ≤0°C.

Note: It is recommended to store in a minimum volume of 10 µl before use and avoid repeated freezing and thawing (≤5 times).

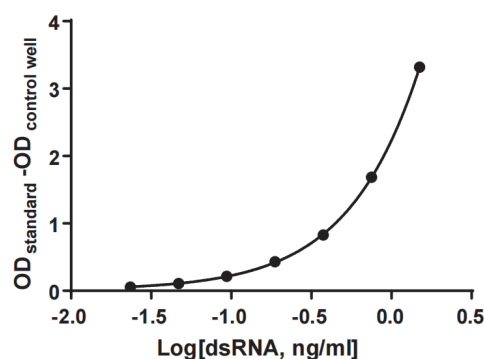
## 05/Preparation of standard

1. Dilute the high concentration standard (3 µg/ml) 10-fold to the calibration concentration (300 ng/ml) with sample diluent.
2. Refer to the dsRNA Assay Kit (#DD3509EN-01) instructions for standard curve dilutions: Dilute the stock solution of the standard (300 ng/ml) by a factor of 200 to the first concentration point of the standard (1.5 ng/ml), and then continue serial dilution by a factor of 2 to 0.75、0.375、0.1875、0.09375、0.046875 and 0.0234375 ng/ml respectively.

## 06/Appliance

Suitable for use with sandwich ELISA standards with recommended pairs:

1. Standard: DD3413-C1, dsRNA-unmodified Standard (High Concentration)
2. Capture: DD3509EN-01, Anti-dsRNA antibody (Capture)
3. Detector: DD3509EN-01, Anti-dsRNA antibody (Mouse IgM) (Detector)



The dsRNA reference test range is: 0.046 - 1.5 ng/ml

For Research Use Only. Not for use in diagnostic procedures.