



## Phi6 dsRNA

**F-630**

**20 µg**

**500 ng/µl**

**Store at -20°C**

Stable for one year from the assay date.

An equimolar mixture of three linear double-stranded RNA segments that constitute the bacteriophage F6 genome. The dsRNA fragments are 2948 bp (S segment), 4063 bp (M) and 6374 bp (L) in length. The relative concentrations of the S, M and L segments are approximately 110, 150 and 240 ng/µl, respectively.

**Source:** Isolated from the wild-type bacteriophage F6 propagated in *P. syringae* pv. *phaseolicola* HB10Y.

**Storage buffer:** 10 mM Tris-HCl (pH 8.0), 1 mM EDTA

**Unit definition:** 1.0  $A_{260}$  unit dsRNA = 40 µg/ml

**Protein contamination test:** The presence of protein contamination in Phi6 dsRNA was tested by determining the ratio of spectrophotometric absorbances at 260 nm and 280 nm. The  $A_{260}/A_{280}$  ratio for the product was between 1.8 and 2.2.

**Ribonuclease assay:** Incubation of 5 µg of Phi6 dsRNA (1 h, 37°C, 50 µl) with 1 µg of single-stranded MS2 RNA resulted in the similar MS2 RNA pattern as that produced without the Phi6 dsRNA.

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