



RNA-TRUE Marker4000

Product Name: RNA-TRUE Marker4000

Cat. No.: RTRUEM4_1

Lot: R2408A

RNA Concentration: 258 pg/ μ l

Quality Control Date: 10/2024

Best use before: 10/2026

Storage Temperature: -20°C

Storage Conditions:

RNA-TRUE Marker4000: Supplied in nuclease-free water including RNase inhibitor and RNA sample buffer (32.5% formamide, 2.22% formaldehyde, MOPS buffer (20 mM MOPS, 5 mM sodium acetate trihydrate, 2 mM EDTA, pH 7.0), 1% sucrose, 1.5 mg/ml Orange G). Ready-to-use.

RNA-TRUE Dye: Supplied in nuclease-free water. Ready-to-use.

Quality Control	Result
Appearance	
Visual inspection: Clear orange solution	Pass
Electrophoretic Pattern	
Electrophoretic analysis of RNA-TRUE Marker4000 Lot R2408A on a 1.5% agarose-MOPS gel showed distinct, separate bands corresponding to the individual marker fragments as well as the previous bulk lot when detected with the fluorescence dye labelled marker.	Pass
Total RNA Concentration Measurement	
The concentration of the 9 fragments was determined by fluorometric measurement. Pooling and diluting the fragments results in a concentration of 258 pg/ μ l.	Pass
RNA Integrity	
No changes in bands intensity, no smearing is observed after incubation at elevated temperature (37°C) and analysis on an agarose gel.	Pass
Quality control RNA-TRUE Dye700	
Clear azure blue solution. Performance of RNA-TRUE Dye700 was checked using the RNA-TRUE Marker4000 Lot R2408A in a Northern blot.	Pass

Date: 18.10.2024

Authorized and inspected
Dr. Alexander Reder