

# Invitrogen™ TE Buffer (20X), RNase free

Catalog Number T11493

Pub. No. MAN1000402 Rev. A



**WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](https://www.thermofisher.com/support).

## Product description

Invitrogen™ TE Buffer (20X), RNase free provides additional buffer for use in specific Qubit™ and Quant-iT™ assays.

## Content and storage

Catalog numbers that appear as links open the web pages for those products.

**Table 1** Invitrogen™ TE Buffer (20X), RNase free

Item	Amount	Storage <sup>[1]</sup>
Invitrogen™ TE Buffer (20X), RNase free, Cat. No. <a href="#">T11493</a>	100 mL	Store at <30°C.

<sup>[1]</sup> If stored frozen, the solution may need to be heated to 37°C for approximately an one hour after thawing. This helps to ensure that salts are sufficiently dissolved in the solution.

## Required materials not supplied

- RNase-free or distilled water
- Storage container for diluted 1X material

## Procedural guidelines

- Do not use the product if packaging has been compromised and/or shows evidence of microbial contamination, cloudy appearance, discoloration, drying, cracking, or other signs of deterioration.
- Do not use product if there are visible signs of precipitate.
- Ensure that all materials are equilibrated to room temperature (18–25°C).

## Prepare 1X TE Buffer

**IMPORTANT!** Ensure that all materials are equilibrated to room temperature.

1. Dilute 20X TE into water (RNase free or distilled water) at a ratio of 1:20.  
For example, when preparing 200 mL of buffer, dilute 10 mL of the 20X TE to a final volume of 200 mL using 190 mL of water.
2. Store remaining 20X TE and new 1X TE at 30°C or below until use.

**Note:** Not all Qubit™ and Quant-iT™ assays are compatible with 1X TE Buffer. For a list of compatible assays, see “List of Qubit™ and Quant-iT™ assays compatible with TE Buffer” on page 2.

## Critical assay parameters

**Table 2** Critical assay parameters of Invitrogen™ TE Buffer (20X), RNase free

Parameter	Description
Assay temperature	For best results, ensure that final buffer is at room temperature before preparing 1X dilution or subsequent assay measurements.
Handling and disposal	Excess or unused material is safe for sink disposal.

## List of Qubit™ and Quant-iT™ assays compatible with TE Buffer


Cat. No.	Product name
<a href="#">Q32851</a> <a href="#">Q32854</a>	Qubit™ dsDNA HS Assay Kits
<a href="#">Q33120</a>	Quant-iT™ dsDNA HS Assay Kit
<a href="#">Q32850</a> <a href="#">Q32853</a>	Qubit™ dsDNA BR Assay Kits
<a href="#">Q33130</a>	Quant-iT™ dsDNA BR Assay Kit
<a href="#">Q10212</a>	Qubit™ ssDNA Assay Kit
<a href="#">P11495</a> <a href="#">P11496</a> <a href="#">P7581</a> <a href="#">P7589</a>	Quant-iT™ PicoGreen dsDNA Assay Kits and Reagents
<a href="#">R11490</a> <a href="#">R11491</a>	Quant-iT™ RiboGreen Assay Kits and Reagents
<a href="#">O7582</a> <a href="#">O11492</a>	Quant-iT™ OliGreen dsDNA Assay Kits and Reagents

Additional related products

Cat. No.	Product name	Amount
<a href="#">Q33230</a>	Qubit™ 1X dsDNA HS Assay Kit	100 assays
<a href="#">Q33231</a>	Qubit™ 1X dsDNA HS Assay Kit	500 assays
<a href="#">Q33232</a>	Quant-iT™ 1X dsDNA HS Assay Kit	1000 assays
<a href="#">Q33265</a>	Qubit™ 1X dsDNA BR Assay Kit	100 assays
<a href="#">Q33266</a>	Qubit™ 1X dsDNA BR Assay Kit	500 assays
<a href="#">Q33267</a>	Quant-iT™ 1X dsDNA HS Assay Kit	1000 assays
<a href="#">Q32852</a>	Qubit™ RNA HS Assay Kit	100 assays
<a href="#">Q32855</a>	Qubit™ RNA HS Assay Kit	500 assays
<a href="#">Q33140</a>	Quant-iT™ RNA Assay Kit	1000 assays
<a href="#">Q32884</a>	Quant-iT™ RNA Reagent	1000 assays
<a href="#">Q10210</a>	Qubit™ RNA BR Assay Kit	100 assays
<a href="#">Q10211</a>	Qubit™ RNA BR Assay Kit	500 assays
<a href="#">Q10213</a>	Quant-iT™ RNA BR Assay Kit	100 assays
<a href="#">Q33223</a>	Qubit™ RNA XR Assay Kit	100 assays
<a href="#">Q33224</a>	Qubit™ RNA XR Assay Kit	500 assays
<a href="#">Q33225</a>	Quant-iT™ RNA XR Assay Kit	100 assays
<a href="#">Q32880</a>	Qubit™ miRNA Assay Kit	100 assays
<a href="#">Q32881</a>	Qubit™ miRNA Assay Kit	500 assays
<a href="#">Q32882</a>	Quant-iT™ miRNA Assay Kit	1000 assays
<a href="#">Q32856</a>	Qubit™ Assay Tubes	500 count
<a href="#">Q33252</a>	Qubit™ Flex Assay Tube Strips	125 count
<a href="#">Q33238</a>	Qubit™ 4 Fluorometer	–
<a href="#">Q33327</a>	Qubit™ Flex Fluorometer	–

Limited product warranty

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For descriptions of symbols on product labels or product documents, go to [thermofisher.com/symbols-definition](http://thermofisher.com/symbols-definition).

Revision history: Pub. No. MAN1000402 A

Revision	Date	Description
A	8 August 2024	New document for Invitrogen™ TE Buffer (20X), RNase free

The information in this guide is subject to change without notice.

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