

ELISA Reagent Preparation Guide

This guide may be used as a helpful reminder when preparing reagents for the QuantiferON®-TB Gold ELISA. All information contained within this guide can be found in the ELISA Package Insert. To ensure use of the most up to date information, the current Package Insert should always be consulted.

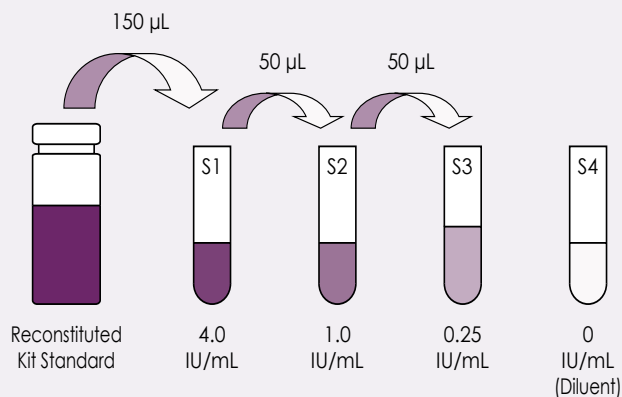
IFN- γ Standard Curve

Reconstitute the IFN- γ Kit Standard with the volume of deionized or distilled water **indicated on the label** of the vial.

- » The reconstitution volume will differ between batches.
- » Mix gently to minimize frothing.
- » Ensure complete resolubilization.
- » Reconstitution to the correct volume will give a concentration of 8.0 IU/mL.

Use the reconstituted Kit Standard to produce a dilution series of 4 IFN- γ concentrations.

1. Add 150 μ L of Green Diluent to 4 tubes (Labelled S1 – S4).
2. Add 150 μ L of the Kit Standard to tube S1 (Standard 1).
3. Perform serial dilutions by transferring 50 μ L of each Standard to the next tube. Mix each tube thoroughly but gently before the next transfer.
4. Green Diluent serves as the Zero Standard (Standard 4).



- » Prepare fresh dilutions of the Kit Standard for each ELISA run.
- » Note the date the Kit Standard was reconstituted.
- » The reconstituted Kit Standard may be kept at 2 – 8°C for up to 3 months.

Conjugate

Reconstitute freeze dried Conjugate 100X Concentrate with 0.3mL of deionized or distilled water.

- » Mix gently to minimize frothing.
- » Ensure complete resolubilization.

Dilute the reconstituted Conjugate 100X Concentrate in Green Diluent to produce Working Strength conjugate, as indicated in the table below.

Number of Strips	Volume of Conjugate 100X Concentrate	Volume of Green Diluent
2	10 μ L	1.0 mL
3	15 μ L	1.5 mL
4	20 μ L	2.0 mL
5	25 μ L	2.5 mL
6	30 μ L	3.0 mL
7	35 μ L	3.5 mL
8	40 μ L	4.0 mL
9	45 μ L	4.5 mL
10	50 μ L	5.0 mL
11	55 μ L	5.5 mL
12	60 μ L	6.0 mL

- » Working Strength conjugate should be used within 6 hours of preparation.
- » Return Conjugate 100X Concentrate to 2 – 8°C immediately after use.
- » Use only Green Diluent for the Working Strength conjugate.
- » Note the date the Conjugate 100X Concentrate was reconstituted.
- » The reconstituted Conjugate 100X Concentrate may be kept at 2 – 8°C for up to 3 months.

Wash Buffer

Dilute one part Wash Buffer 20X Concentrate with 19 parts deionized or distilled water and mix thoroughly.

- » One bottle of Concentrate is sufficient to make 2 Liters of Wash Buffer.
- » Diluted Wash Buffer may be kept at room temperature for up to 2 weeks.