

## **Standard mix A: EYRAplex, human**

## Intended use

This datasheet is intended for use with EYRAplex panels including Standard mix A: EYRAplex, human. For research use only. Not for use in diagnostic procedures.

## Contents

| Standard mix included in EYRAplex kit | Batch* | Quantity |
|---------------------------------------|--------|----------|
| Standard mix A: EYRAplex, human       | 2      | 2 vials  |

*\*The batch number of the standard is also stated on the standard vial label.*

Two vials of lyophilized standard mix are provided, allowing the assay to be performed on separate occasions (e.g., when only half of the plate is used per run).

## Standards

The table shows the concentrations of the highest standard point (S1) obtained when diluting standards according to **Preparation of standard curve**. Standard calibration is batch-specific.

| Analyte           | S1 Value (pg/ml) |
|-------------------|------------------|
| GM-CSF            | 530              |
| IFN- $\alpha$ pan | 1480             |
| IFN- $\gamma$     | 570              |
| IL-1 $\alpha$     | 8820             |
| IL-1 $\beta$      | 2220             |
| IL-2              | 1420             |
| IL-4              | 2390             |
| IL-5              | 2320             |
| IL-6              | 2330             |
| IL-8 (CXCL8)      | 4160             |

| Analyte                  | S1 Value (pg/ml) |
|--------------------------|------------------|
| IL-10                    | 790              |
| IL-12 (p70)              | 3230             |
| IL-13                    | 2970             |
| IL-17A                   | 1540             |
| IL-17F                   | 730              |
| IL-21                    | 3020             |
| IL-29 (IFN- $\lambda$ 1) | 3210             |
| Perforin                 | 41550            |
| TNF- $\alpha$            | 4000             |

## Storage

Store at 4-8 °C upon receipt.

# Preparation of standard curve

Prepare within 30 minutes of use.

## 1. Reconstitution

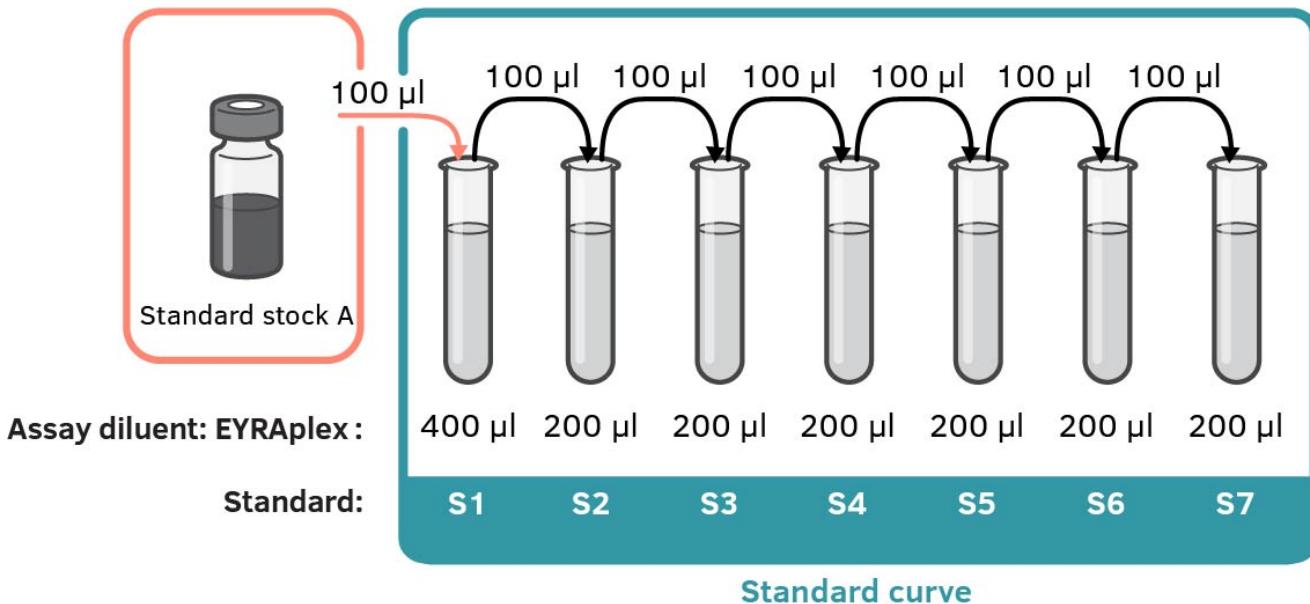
Reconstitute the lyophilized standards to create the Standard stocks by adding 0.25 ml of Assay diluent: EYRAplex to one vial of Standard mix A: EYRAplex, human.

Allow the standard to dissolve for 5 minutes at room temperature, then mix thoroughly (e.g., by vortexing or pipetting up and down) before proceeding to step 2.

## 2. Preparation of standard curve

Dilute the reconstituted standard to prepare a seven-point standard curve (S1-S7) as shown below. Change pipette tip between each dilution step. The volumes prepared for each standard point are sufficient for duplicate wells. Optionally, use a different dilution factor to generate a longer titration range.

Prepare an additional tube containing only Assay diluent: EYRAplex (no standard), which will serve as the assay background control (blank).



## Note:

For research use only. Mabtech shall not be liable for the use or handling of the product or for consequential, special, indirect or incidental damages therefrom.

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