

## **EYRAplex standards A and B**

Standard mix A: EYRAplex, human

Standard mix B: EYRAplex, human

## Intended use

This datasheet is intended for use with EYRAplex panels including Standard mix A: EYRAplex, human and Standard mix B: 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
Standard mix B: EYRAplex, human	1	2 vials

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

Two vials of each 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.

Standard mix A: EYRAplex, human		Standard mix B: EYRAplex, human	
Analyte	S1 Value (pg/ml)	Analyte	S1 Value (pg/ml)
GM-CSF	530	CCL2 (MCP-1)	3600
IFN- $\alpha$ pan	1480	CCL3 (MIP-1 $\alpha$ )	550
IFN- $\gamma$	570	CCL4 (MIP-1 $\beta$ )	4690
IL-1 $\alpha$	8820	CCL22 (MDC)	2060
IL-1 $\beta$	2220	CD25 (IL-2R $\alpha$ )	70550
IL-2	1420	Granzyme B	21800
IL-4	2390	IL-22	730
IL-5	2320	IL-31	12520
IL-6	2330	IP-10 (CXCL10)	7370
IL-8 (CXCL8)	4160	TGF- $\beta$ 1 (Latent TGF- $\beta$ 1)	72100
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 each of the standard vials:

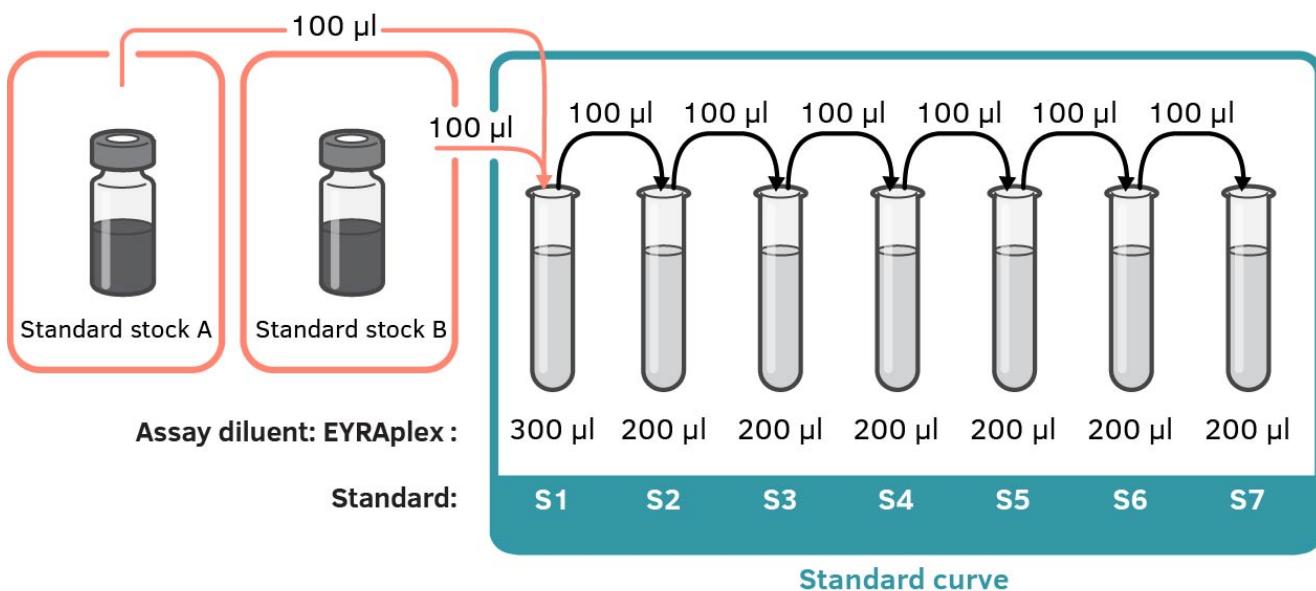
- One vial of Standard mix A: EYRAplex, human
- One vial of Standard mix B: EYRAplex, human

Allow the standards to dissolve for 5 minutes at room temperature and 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 standards 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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