

## **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	1 vial
Standard mix B: EYRAplex, human	1.1	1 vial

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

## 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	
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
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

Standard mix B: EYRAplex, human	
Analyte	S1 Value (pg/ml)
CCL2 (MCP-1)	3600
CCL3 (MIP-1 $\alpha$ )	550
CCL4 (MIP-1 $\beta$ )	4690
CCL22 (MDC)	2060
CD25 (IL-2R $\alpha$ )	70550
Granzyme B	21800
IL-22	730
IL-31	12520
IP-10 (CXCL10)	7370
TGF- $\beta$ 1 (Latent TGF- $\beta$ 1)	72100

## 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:

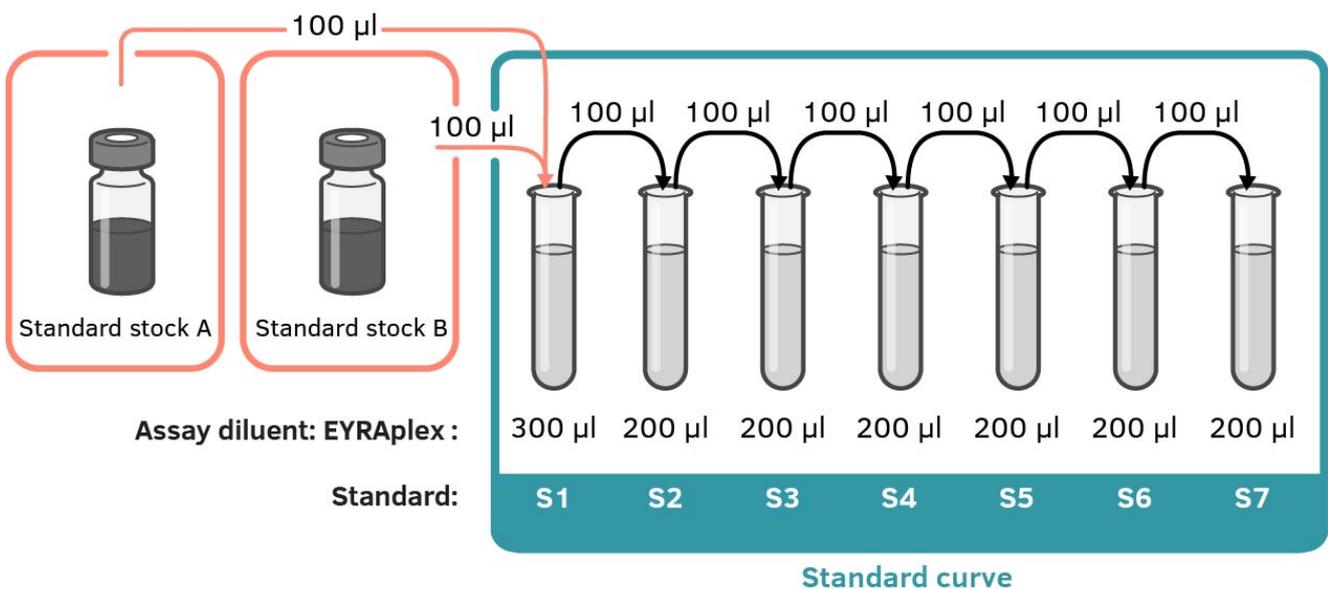
- One vial of Standard mix A: EYRAplex, human
- One vial of Standard mix B: EYRAplex, human

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).



# Datasheet & Protocol

**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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**Mabtech AB (Head Office)**

Sweden  
Tel: +46 8 716 27 00  
mabtech@mabtech.com

Updated on 2026-03-19

**Mabtech, Inc.**

USA  
Tel: +1 513 871-4500  
mabtech.usa@mabtech.com

**[www.mabtech.com](http://www.mabtech.com)**



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