

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	
Analyte	S1 Value (pg/ml)
GM-CSF	530
IFN- α pan	1480
IFN- γ	570
IL-1 α	8820
IL-1 β	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- λ 1)	3210
Perforin	41550
TNF- α	4000

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

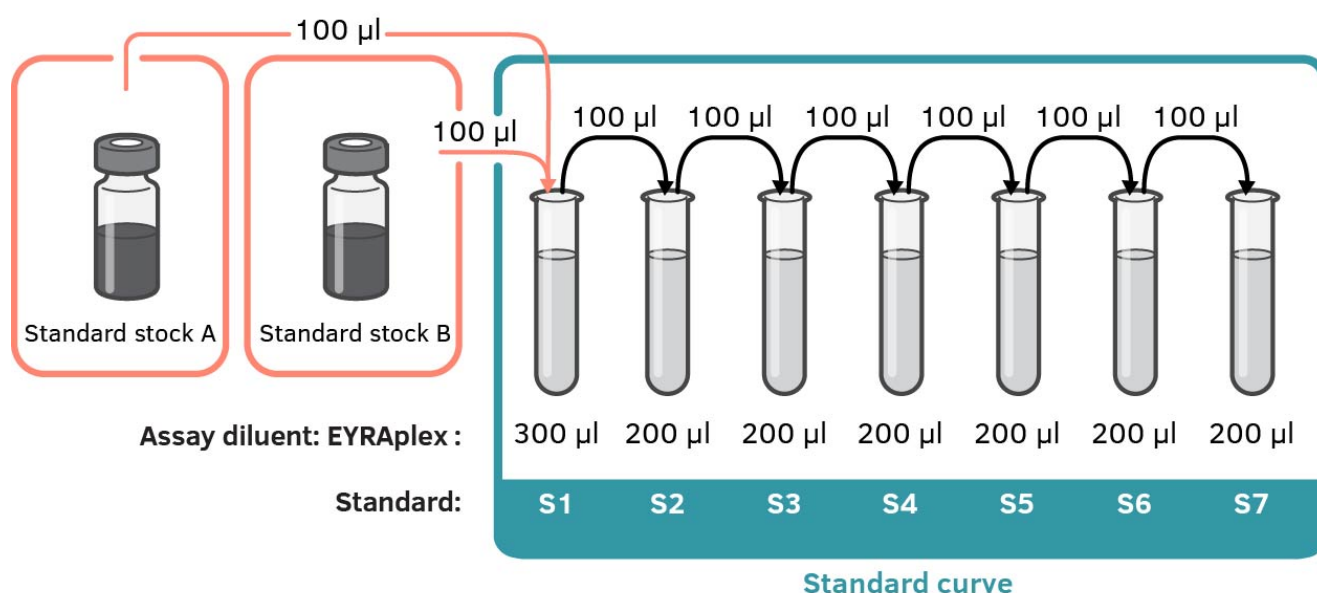
- One vial of Standard mix A: EYRAplex, human
- One vial of Standard mix B: EYRAplex, human

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).



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.

Mabtech AB (Head Office)

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

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Mabtech, Inc.

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

www.mabtech.com



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