

Standard mix C: EYRAplex, human

Intended use

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

Contents

Standard mix included in EYRAplex kit	Batch*	Quantity
Standard mix C: EYRAplex, human	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.

Analyte	S1 Value (pg/ml)
CCL2 (MCP-1)	20 000
CCL3 (MIP-1 α)	15 000
CCL4 (MIP-1 β)	6 000
CCL11 (Eotaxin)	13 000
CCL22 (MDC)	10 000
CD25 (IL-2R α)	100 000
CXCL12	11 000
GM-CSF	40 000
IFN- α pan	12 000
IFN- γ	10 000
IL-1 α	11 000
IL-1 β	12 000
IL-2	10 000
IL-4	9 000
IL-5	10 000
IL-6	13 000

Analyte	S1 Value (pg/ml)
IL-7	4 000
IL-8 (CXCL8)	20 000
IL-10	10 000
IL-12 (p70)	15 000
IL-13	15 000
IL-17A	10 000
IL-17F	5 000
IL-18	10 000
IL-22	10 000
IL-29 (IFN- λ 1)	25 000
IL-31	12 000
IP-10 (CXCL10)	23 000
Perforin	75 000
TGF- β 1 (Latent TGF- β 1)	225 000
TNF- α	30 000

Storage

Store at 4-8 °C upon receipt.

Preparation of standard curve

Prepare within 30 minutes of use.

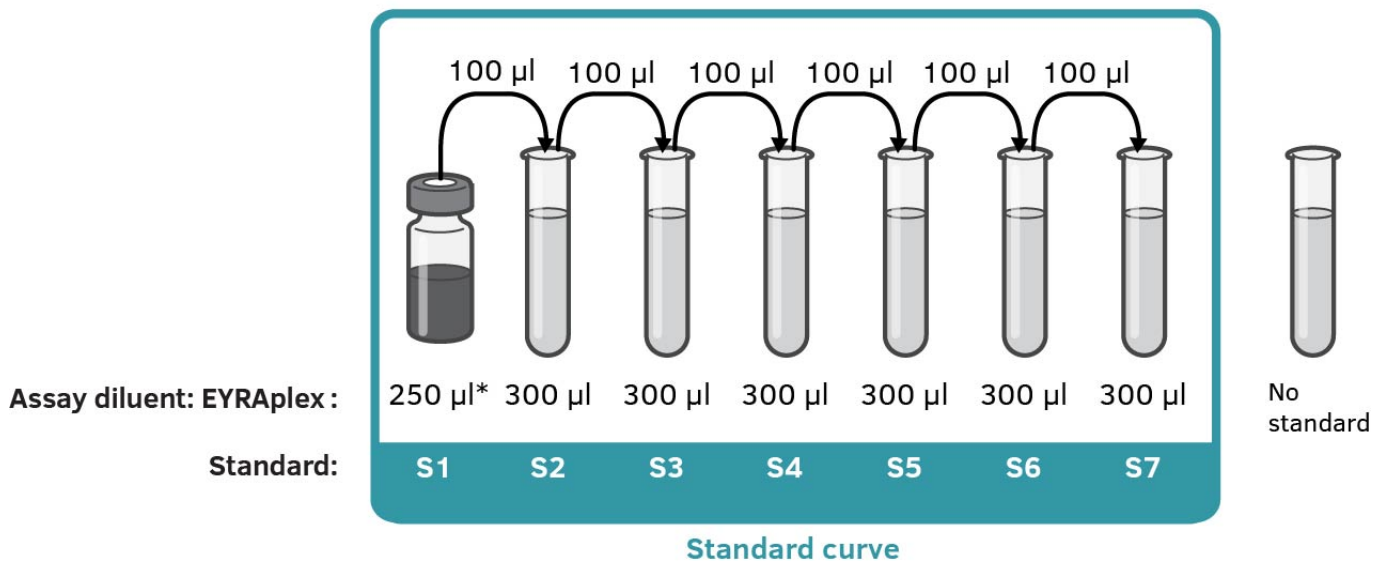
Reconstitution and preparation of standard curve

1. Reconstitute the lyophilized standards to create the Standard stocks by adding 0.25 ml of Assay diluent: EYRAplex to one vial of Standard mix C: 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). The reconstituted standard corresponds to **S1** in the standard curve*.

2. 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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