

Standard mix K: EYRAplex, mouse

Intended use

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

Contents

Standard mix included in EYRAplex kit	Batch*	Quantity
Standard mix K: EYRAplex, mouse	1	1 vial

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

Store at 4-8 °C upon receipt.

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
CCL5 (RANTES)	14 000
CCL11 (Eotaxin)	5 500
CXCL1 (KC/GRO- α)	10 000
CXCL2 (MIP-2)	4 000
CXCL5 (LIX)	15 000
CXCL9 (MIG)	20 000
G-CSF	13 000
GM-CSF	10 000
IFN- γ	11 000
IL-1 α	36 000
IL-1 β	25 000
IL-2	8 000
IL-3	15 000
IL-4	10 000

Analyte	S1 Value (pg/ml)
IL-5	9 300
IL-6	30 000
IL-7	8 000
IL-9	11 000
IL-10	25 000
IL-12 (p70)	10 000
IL-12/-23 (p40)	10 000
IL-13	15 000
IL-15	200 000
IL-17A	10 000
IP-10 (CXCL10)	7 000
LIF	6 400
M-CSF	28 000
TNF- α	8 000
VEGF-A	10 000

Preparation of standard curve

Prepare within 30 minutes of use.

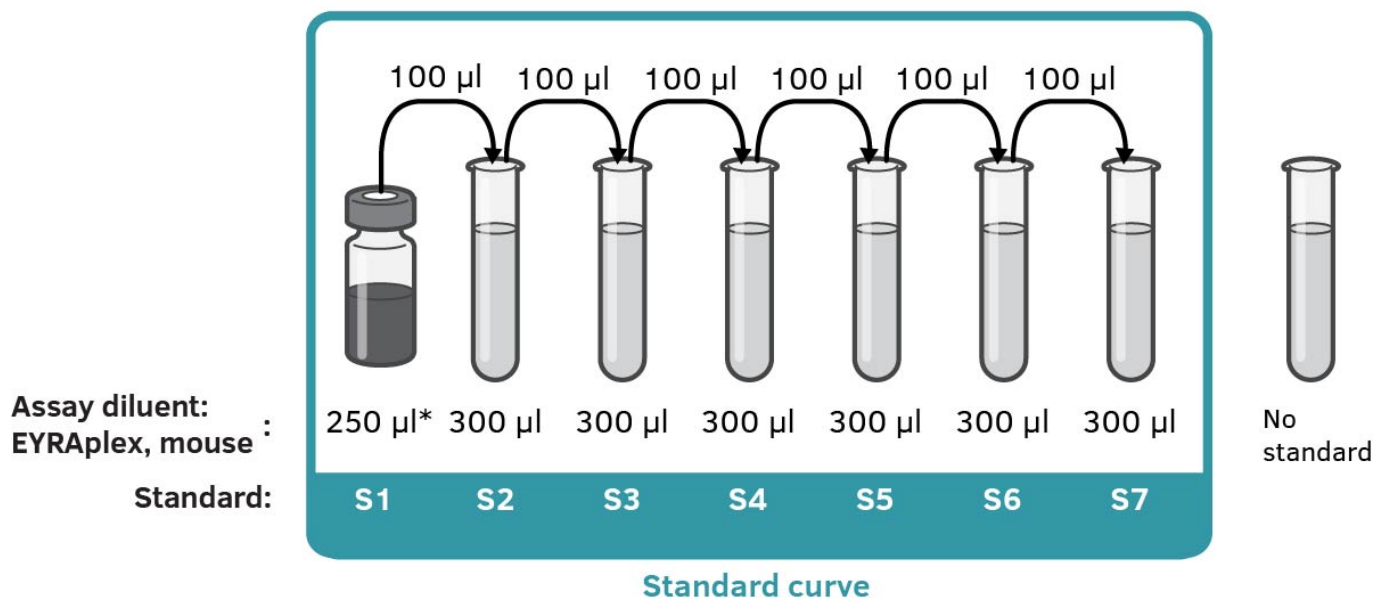
Reconstitution and preparation of standard curve

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

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, mouse (no standard), which will serve as the assay background control (blank).



Note:
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