

* A letter at the end of the lot number signifies an additional packaging of this same lot.

Product use

This kit is comprised of components for the measurement of monkey IL-10 in serum, plasma or tissue culture supernatant. The assay may be run alone or in combination with other magnetic bead kits from Life Technologies. Buffer reagents needed to complete the reaction are sold separately under Cat. no. LHB0001M. These reagents are intended for use in the **Luminex® 200™**, **FLEXMAP 3D®** and the **MAGPIX® Systems**.

Reagents provided

Part No.:	LM156M	Description:	Mk IL-10 Mag Antibody Bead Conc. (10X)	Storage:	Light-sensitive material. Store at 2-8°C in the dark, until the expiration date indicated on the kit.
Lot No.:	1757980	Size:	0.25 mL (100 tests)		
Form:	0.25 mL 10X bead concentrate solution in storage buffer. Contains 0.05% sodium azide as a preservative.				

Part No.:	BN156	Description:	Mk IL-10 Biotinylated Ab Conc. (10X)	Storage:	Store at 2-8°C until the expiration date indicated on the kit.
Lot No.:	1757979	Size:	1 mL (100 tests)		
Form:	1 mL of a 10X stock of Biotinylated Antibody Concentrate in Biotin Diluent. Contains 0.1% sodium azide as preservative. Concentration of antibody is matched to this lot of beads. Do not mix lots of coated beads and detection antibody.				

Part No.:	SM312	Description:	Cytokine Mk 14-Plex Standard	Storage:	Store at 2-8°C. Use within 1 hour after reconstitution. Discard immediately after use.
Lot No.:	1527683	Size:	2 Vials		
Form:	Lyophilized. The proteins in this standard have been calibrated against the masses of highly purified recombinant proteins, with the respective Life Technologies ELISA kits, and NIBSC calibration standards (if available). Contains 0.1% sodium azide as a preservative.				

Concentration of Reconstituted Standard**

Protein	Concentration
IL-10	9,890 pg/mL
G-CSF	82,810 pg/mL
IL-6	5,620 pg/mL
IL-12	80,650 pg/mL
RANTES	6,330 pg/mL
IL-17	22,830 pg/mL
MIP-1 α	20,710 pg/mL
MIP-1 β	23,740 pg/mL
MCP-1	14,670 pg/mL
IFN- γ	11,250 pg/mL
TNF- α	10,540 pg/mL
IL-2	31,910 pg/mL
IL-4	28,410 pg/mL
IL-8	8,500 pg/mL

** **IMPORTANT:** The concentrations of reconstituted standard are lot-specific. Verify all concentration values entered in data analysis software.

Reconstitution

Reconstitute with 1 mL Assay Diluent when measuring IL-10 in serum or plasma samples. For other sample types, such as tissue culture supernatants, reconstitute the standard in 1 mL of a solution consisting of 50% Assay Diluent + 50% of sample matrix. Allow standard to rehydrate for approximately 10 minutes before further dilution.

Recommended Starting Concentration for Standard Curve

Upon reconstitution, the starting concentration of standard is the value cited. Make serial 1:3 dilutions in Assay Diluent (serum/plasma samples) or other appropriate matrix. Use 100 μ L per assay. If establishing a Multiplex Assay, this same standard can be used to measure the other related cytokines cited in a Multiplex Assay format. Refer to the user manual included in the buffer reagent kit for further information.

Performance characteristics

Protein Target	Bead No.	Starting Standard Conc. (pg/mL)*	Analytical Sensitivity (pg/mL)**	Recovery (Cynomolgous)				Recovery (Rhesus)				TC Recovery ***	Inter-assay CV***
				Serum	EDTA Plasma	Citrate Plasma	Heparin Plasma	Serum	EDTA Plasma	Citrate Plasma	Heparin Plasma		
IL-10	15	9,890	< 0.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	9.1%

* **IMPORTANT:** The concentrations of reconstituted standard are lot-specific. Verify all concentration values entered in data analysis software.

** Analytical sensitivity was determined by adding two standard deviations to the mean FI obtained when the zero standard was assayed 16 times.

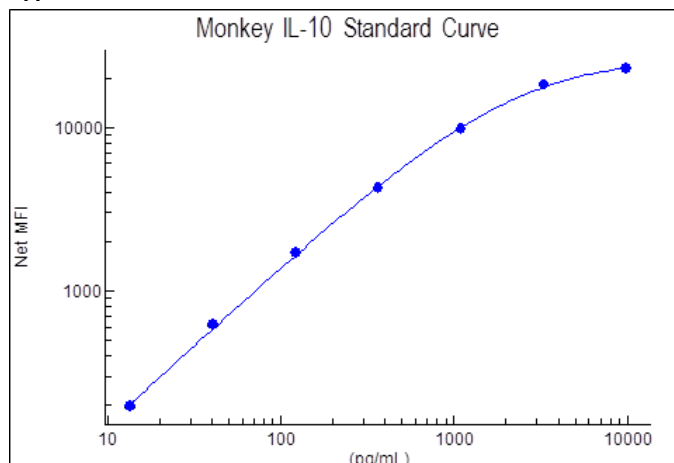
*** Analysis performed during product development and with first lots produced.

Legend: 70-130% recovery (✓), 50-69% recovery (-), 131-150% recovery (+) and <50% or >150% recovery (NR - Not recommended)

Specificity

The following proteins were tested and all were found to have negligible cross-reactivity with monkey IL-10: monkey IFN- γ , IL-2, IL-4, TNF- α ; mouse IL-10; rat IL-10; swine IL-10. Monkey IL-10 is cross reactive with human IL-10.

Typical standard curve



Important licensing information

This product may be covered by one or more Limited Use Label Licenses. By use of this product, you accept the terms and conditions of all applicable Limited Use Label Licenses.

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at <http://www.thermofisher.com/us/en/home/global/terms-and-conditions>. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.

Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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