

Certificate of analysis

Cat. Number: **EPX450-12171-CTR**Name: **ProcartaPlex 45plex
Human Control Set**Expiry date: **Refer to label**Storage: **Store at 2-8°C**

Components:	Quantity:	Component Lot:
ProcartaPlex 18plex Human Control High A	1 each	#93268000
ProcartaPlex 18plex Human Control Low A	1 each	#93267000
ProcartaPlex 16plex Human Control High B	1 each	#139535000
ProcartaPlex 16plex Human Control Low B	1 each	#139534000
ProcartaPlex 11plex Human Control High C	1 each	#96794000
ProcartaPlex 11plex Human Control Low C	1 each	#96793000

Protocol:

1. Centrifuge control vials at 2000 x g for 10 sec.
2. Add 250 µL of sample type-specific standard buffer (for serum or plasma use Universal Assay Buffer; for cell culture supernatants use cell culture medium) to the Control High A and Control Low A.
3. Vortex gently for 30 sec.
4. Incubate on ice for 5-10 min.
5. Transfer the entire content of Control High A into Control High B. Repeat this step for the low controls.
6. Vortex gently for 30 sec.
7. Incubate on ice for 5-10 min.
8. Transfer the entire content of Control High B into Control High C. Repeat this step for the low controls.
9. Vortex gently for 30 sec.
10. Incubate on ice for 5-10 min.

Further treat the controls like your samples in the assay.

You may also use only a subset of the provided high/low controls. The analytes included in the different vials are listed on the next page.

After usage remaining controls cannot be stored and have to be discarded.

Expected Range:

Control High: S2-S3

Control Low: S4-S6

Note: Controls were only evaluated with Universal Assay Buffer for EPX450-12171-901-ProcartaPlex Human Cytokine/Chemokine/Growth Factor Panel 1 (45plex) and for 2 hours incubation at RT. Please contact our technical support for batch specific target values.

ProcartaPlex 18plex Human Control High/Low A

Control High A Lot #93268000
Control Low A Lot #93267000

Analytes

GM-CSF	IL-21
IFN gamma	IL-22
IL-1 beta	IL-23
IL-10	IL-27
IL12p70	IL-4
IL-13	IL-5
IL-17A	IL-6
IL-18	IL-9
IL-2	TNF alpha

ProcartaPlex 16plex Human Control High/Low B

Control High B Lot #139535000
Control Low B Lot #139534000

Analytes

Eotaxin	IL-8
GRO alpha	IP-10
IFN alpha	MCP-1
IL-1 alpha	MIP-1 alpha
IL-15	MIP-1 beta
IL-1RA	Rantes
IL-31	SDF-1 alpha
IL-7	TNF beta

ProcartaPlex 11plex Human Control High/Low C

Control High C Lot #96794000
Control Low C Lot #96793000

Analytes

LIF	PDGF-BB
BDNF	PlGF-1
EGF	SCF
FGF-2	VEGF-A
HGF	VEGF-D
NGF beta	

Analytical information:

This product has been tested by Quality Control and passed internal specifications.

Quality control:

