

How can we help you?

Answers to questions about ProteoPlex[®] Arrays

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Is the scanning and analysis service for the ProteoPlex[®] Array slide free?

Yes, where the service is available, the return shipping, scanning, and analysis of the slide is free. Analysis service is available in North America and Europe. For other parts of the world, please contact your regional sales office to find out if analysis service is available.

Once I've mailed my array slide for analysis, when can I expect my results?

As soon as our scanning facility receives the array, processing is done immediately and results are typically returned to the customer by e-mail within 24 hours (excluding weekends and holidays).

Will I get my slide back?

No, slides are not typically returned to the customer. However, if you want to pay the shipping cost to have the slide returned, we can send the slide back to you. We keep all array slides and files for at least 6 months from the date we receive them.

Can I collect samples over a time-course (e.g., weeks or months) and keep them frozen until I'm ready to use the array?

Yes, many customers collect samples over time. You can freeze and store samples at -80°C until you have collected enough (e.g., 10 or more) to use on an array.

Can I use tissue homogenates with this array?

We have not pre-qualified the arrays to be used with tissue homogenates. The arrays have been optimized for serum, plasma, and cell culture supernatants. Other sample types (e.g., cell extracts/tissue homogenates, cerebrospinal fluid, synovial fluid, etc.) have not yet been tested, so we cannot support their use at this time.



To find more information about the ProteoPlex Arrays, visit our website at novagen.com/proteoplex

Do you make customized arrays for the cytokines I select?

No, at this time, we offer only three standard arrays for the following cytokines:

Human Angiogenesis Array (Cat. No. 71652)	EGF, FGF-basic, HGF, IL-8, PDGF-BB, TGF- α , TNF- α , VEGF
Human Cytokine Array (Cat. No. 71414)	IL-1 α , IL-1 β , IL-2, IL-4, IL-6, IL-7, IL-8, IL-10, IL-12p70, GM-CSF, IFN- γ , TNF- α
Murine Cytokine Array (Cat. No. 71454)	IL-1 α , IL-1 β , IL-2, IL-4, IL-6, IL-10, IL-12p70, GM-CSF, IFN- γ , TNF- α

What are the normal ranges for cytokine concentration in human and murine samples (e.g., serum, plasma)?

Normal, endogenous cytokine values can vary significantly between individuals. The table on the next page displays endogenous levels of human cytokines in plasma (9 samples) and serum (10 samples) taken from "normal" individuals. Samples were diluted 1:3, as recommended in our protocol. The standard curves used to generate these concentrations had correlation coefficients of $r^2 \geq 0.90$. In general, cytokine levels in plasma tend to be lower and more consistent from sample-to-sample, as shown in this comparison. Cytokine levels in serum are also generally low, however some individuals have higher levels of some or all cytokines. This same trend (plasma levels low, but consistent; serum levels varying by individual) is seen in murine samples as well.