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# FAQ

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**Q.**What is used for the STD?



**A.**Human IgA1 is treated with neuraminidase and galactosidase and used as Gd-IgA1.

Please refer to the following reference.

Novel lectin-independent approach to detect galactose-deficient IgA1 in IgA nephropathy. Yasutake J et al. Nephrol Dial Transplant. 2015 Aug;30(8):1315-21. <https://pubmed.ncbi.nlm.nih.gov/26109484/>

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**Q.**Does Neuramidase treatment require for the sample?



**A.**No it doesn't. There is no much different for the result between with and without Neuramidase.

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**Q.**I found the recommended dilution ratio is between 200 and 800 fold. That is quite a wide range. What is the most optimized dilution ratio?



**A.**Some samples have a very high value of Gd-IgA1 and such samples would be range over that why the recommended dilution ratio is wide.

We recommend to start from 200 fold dilution and find the best dilution ratio for your samples. The optimized dilution ratio should be determined by each user.

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**Q.**What is approx. normal IgA concentration in blood?



**A.**Total IgA is approx 1-4mg/mL in blood.

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**Q.**What is approx. normal Gd-IgA1 concentration in blood?





**A.**As it is approx 1,000 ng/mL in blood, more than 200 fold dilution is recommended for measurement.

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**Q.**What is the dilution ratio for urine sample?



**A.**Recommended dilution ratio is 2-4 fold using “4 EIA buffer” enclosed in this kit.

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**Q.**How the calibration curve is made?



**A.**The calibration curve is made by detecting only Gd-IgA1 from the standard.

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**Q.**Is control set of this kit available?



**A.**Unfortunately, it is not available due to raw material nature.

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