



# 3

## Technical Details

	dd-cfDNA level $\geq 1.00$ (%)
<b>Sensitivity</b> – the ability of the test to correctly identify those patients <b>with</b> active rejection (true positives)	<b>88.7</b>
<b>Specificity</b> – the ability of the test to correctly identify those patients <b>without</b> active rejection (true negatives)	<b>72.6</b>
<b>Positive predictive value (PPV)*</b> – the chance that an individual is experiencing active rejection, given an increased risk result	<b>51.9</b>
<b>Negative predictive value (NPV)*</b> – the chance that the individual is truly stable, given a low-risk result	<b>95.1</b>

\*PPV and NPV calculated based on a 25% prevalence of AR.

## Limitations

### Prospera is contraindicated:

- less than 24 hours after a biopsy or dialysis
- less than two weeks after transplant
- in pregnant women
- in recipients of multi-organ transplants or allogeneic stem cells
- in patients who have received an allograft from a genetically identical twin.

Results should be interpreted in the context of the entire clinical presentation because it is possible that other factors may influence dd-cfDNA results

## Other Results

### Test not performed (TNP)

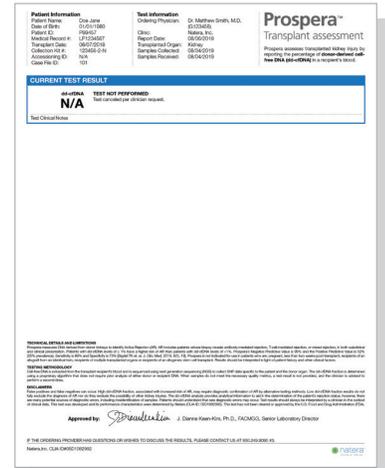
The reason the test was not performed is indicated in the Current Test Result section and may include: sample receipt >8 days post draw; low blood volume (only one tube received instead of two); incorrect tube; or damaged sample. *If the test was not performed due to missing required information, please contact Natera to update. Otherwise, a new sample is required for testing.*

### No results – submission of repeat specimen is required for testing

This result may be due to issues with laboratory processing or limitations of the testing algorithm. This result is likely sample-specific and is expected to resolve with a new sample.

### No results – repeat sample is not indicated

These rare cases occur when an individual has a DNA pattern that cannot be interpreted clearly by this assay. This can be due to normal variation or to other clinical factors that may impact analysis. Please contact the Prospera clinical team with any additional patient information.



For additional assistance, you are encouraged to contact Prospera clinical support at

**1.650.480.5007** or [transplantclinical@natera.com](mailto:transplantclinical@natera.com).

### References:

1. Sigdel TK, Acosta Archila F, Constantin T, et al. Optimizing detection of kidney transplant injury by assessment of donor-derived cell-free DNA via massively multiplex PCR. *J Clin Med*. 2019;8(1):19. doi: 10.3390/jcm8010019