



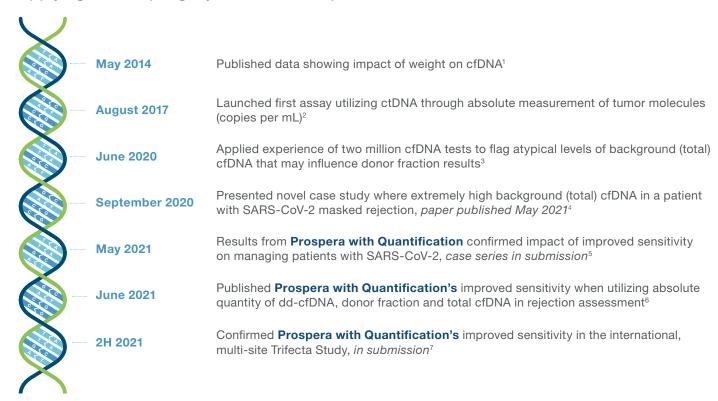
Natera's Prospera<sup>™</sup> transplant assessment test is powered by proprietary cfDNA technology, optimized over three million tests. Typical cell-free DNA tests for rejection only report the fraction of donor-derived cell-free DNA (dd-cfDNA) to identify active rejection.

Now, only Prospera with Quantification provides the absolute quantity of dd-cfDNA along with dd-cfDNA fraction and total cfDNA for improved sensitivity on every report.



### Pioneers in measuring cfDNA

Applying our deep legacy to enable Prospera with Quantification



# New data shows quantification improves sensitivity

Results from Bunnapradist et al highlight how Prospera with Quantification (quantity of dd-cfDNA, fraction of dd-cfDNA and total cfDNA) increased sensitivity to determine appropriate care.<sup>6</sup>

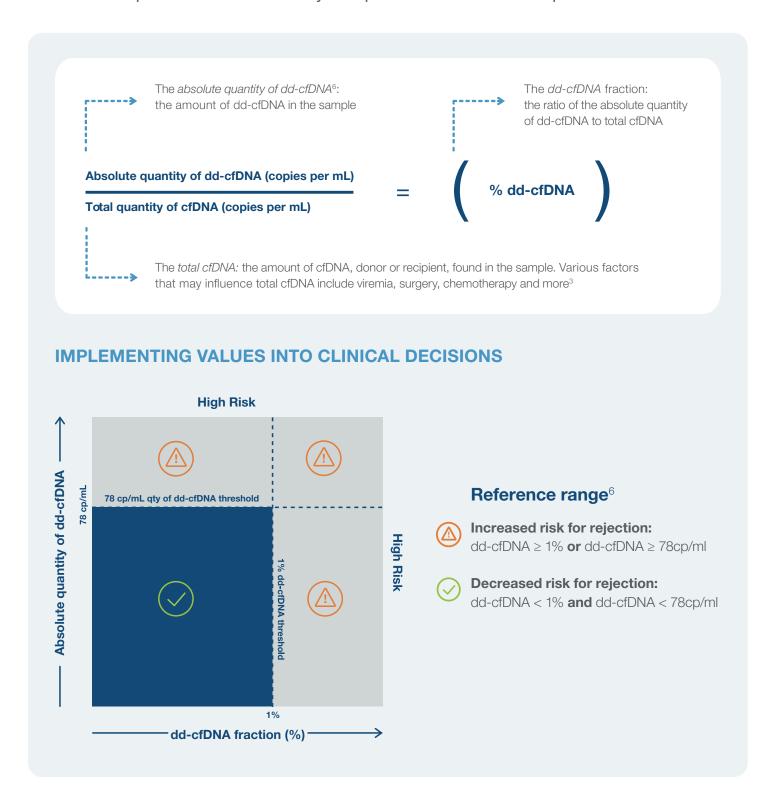
Original method with DD-cfDNA Fraction <sup>6</sup>			Performance of Prospera with Quantification <sup>6</sup>		
Overall Sensitivity	7 of 9	77.8%	Overall Sensitivity	9 of 9	>99%
Specificity	29 of 32	90.6%	Specificity	28 of 32	87.5%





### More information for better clinical care

When the amount of total cfDNA is atypically high, it impacts the fraction of dd-cfDNA and may therefore compromise the result.<sup>3</sup> Only Prospera with Quantification provides three values:





# Only report to give you more than just a fraction

#### **TEST INFORMATION** PATIENT INFORMATION **Prospera**<sup>™</sup> Dr. Matthew Smith, M.D. (G123456) Patient Name: 01/01/1980 01/01/1980 Date of birth: Transplant assessment 08/06/2021 Patient ID: P99457 Report Date: Transplanted organ: Kidney 08/04/2021 LP1234567 Medical Record #: Samples collected: Transplant Date: 06/07/2018 Prospera assesses transplanted organ injury by reporting donor-derived cell-free DNA 123456-2-N Samples Received: 08/04/2021 Collection Kit #: Accessioning ID: Case File ID: N/A (dd-cfDNA) in a recipient's blood. TEST RESULTS AND INTERPRETATION dd-cfDNA % Increased risk for rejection 0.7% Reference range Percentage of dd-cfDNA in the sample Increased risk for rejection: dd-cfDNA ≥ 1% or dd-cfDNA ≥78 cp/ml dd-cfDNA quantity 105 cp/ml Decreased risk for rejection dd-cfDNA < 1% and dd-cfDNA < 78 cp/ml Absolute quantity of dd-cfDNA in the sample PATIENT TESTS SUMMARY 1.5% Feb 1 Mar 1 Apr 1 May 1 2021 2021 2021 2021 Jun 1 Jul 1 Aug 1 Sep 1 Oct 1 Nov 1 Dec 1 2021 2021 2021 2021 2021 2021 2021 dd-cfDNA change dd-cfDNA cp/ml Total cfDNA cp/ml Blood draw date 12/30/2020 72 cp/ml 8000 cp/ml 0.90% 0.81% -0.09% 03/06/2021 9753 cp/ml 0.09% -0.72% 05/06/2021 21 cp/ml 23333 cp/mi 15000 cp/ml -0.61% 105 cp/ml

#### **ILLUSTRATIVE**

- Combining *quantity of dd- cfDNA* with *donor fraction*to help avoid false negative interpretations
- Longitudinal view of **donor**fraction for your Prospera surveillance patients
- Metrics such as total cfDNA, donor fraction, absolute quantity of dd-cfDNA and change in donor fraction to include in your care decisions

## Call us at **650.273.4468** to speak to our clinical team Learn more about the Prospera transplant assessment test at **natera.com/prospera**

#### REFERANCES

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- 7. Natera internal data on file, 2021

