

Subject: Addition of FA-MRK915F 1bp & 6,000bp Markers, 10% Formamide to DNF-945 and DNF-910-K1000CP Kits

Effective Date: July 13, 2016

Products Affected:

1. DNF-945 dsDNA 945 Reagent Kit, 1 bp – 6,000 bp
 - a. FA-MRK915F-0003 1 bp and 6,000 bp Markers, 10% Formamide, 3.2 mL (**Added**)
 - b. FA-MRK915-0003 1 bp and 6,000 bp Markers, 3.2 mL (**Removed/Replaced**)

2. DNF-910-K1000CP CRISPR Discovery Gel Kit
 - a. FA-MRK915F-0003 1 bp and 6,000 bp Markers, 10% Formamide, 3.2 mL (**Added**)
 - b. FA-MRK915-0003 1 bp and 6,000 bp Markers, 3.2 mL (**Removed/Replaced**)

A. Kit Components

1. Replaced 1 bp and 6,000 bp Markers (#FA-MRK915) with 1 bp and 6,000 bp Markers, 10% Formamide (#FA-MRK915F) in the DNF-945 and DNF-910-K1000CP kit assemblies. The new marker solution now contains 10% formamide, and is still provided at the same marker concentrations and in a 1X TE buffer concentration solution.

2. It had been observed that on occasion the 1 bp lower marker of the FA-MRK915 solution would produce peak splitting, complicating marker assignment.

3. All testing has indicated that these changes do not affect the performance of the DNF-945 or DNF-910-K1000CP kits, while eliminating occasional peak splitting of the lower marker.

4. The Safety Data Sheet (SDS) has been updated for the FA-MRK915F reflecting the presence of 10% formamide. This marker solution should be handled and disposed of in accordance with the SDS and/or local laws.

All respective User Manuals and Quick Start Guides will be updated to reflect this change by July 15, 2016.

Please contact AATI Technical Support with any questions; 515-964-8500 or support@aati-us.com.

Thank you,

AATI Customer Service Team