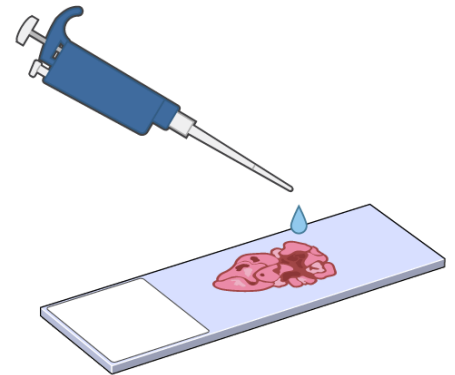


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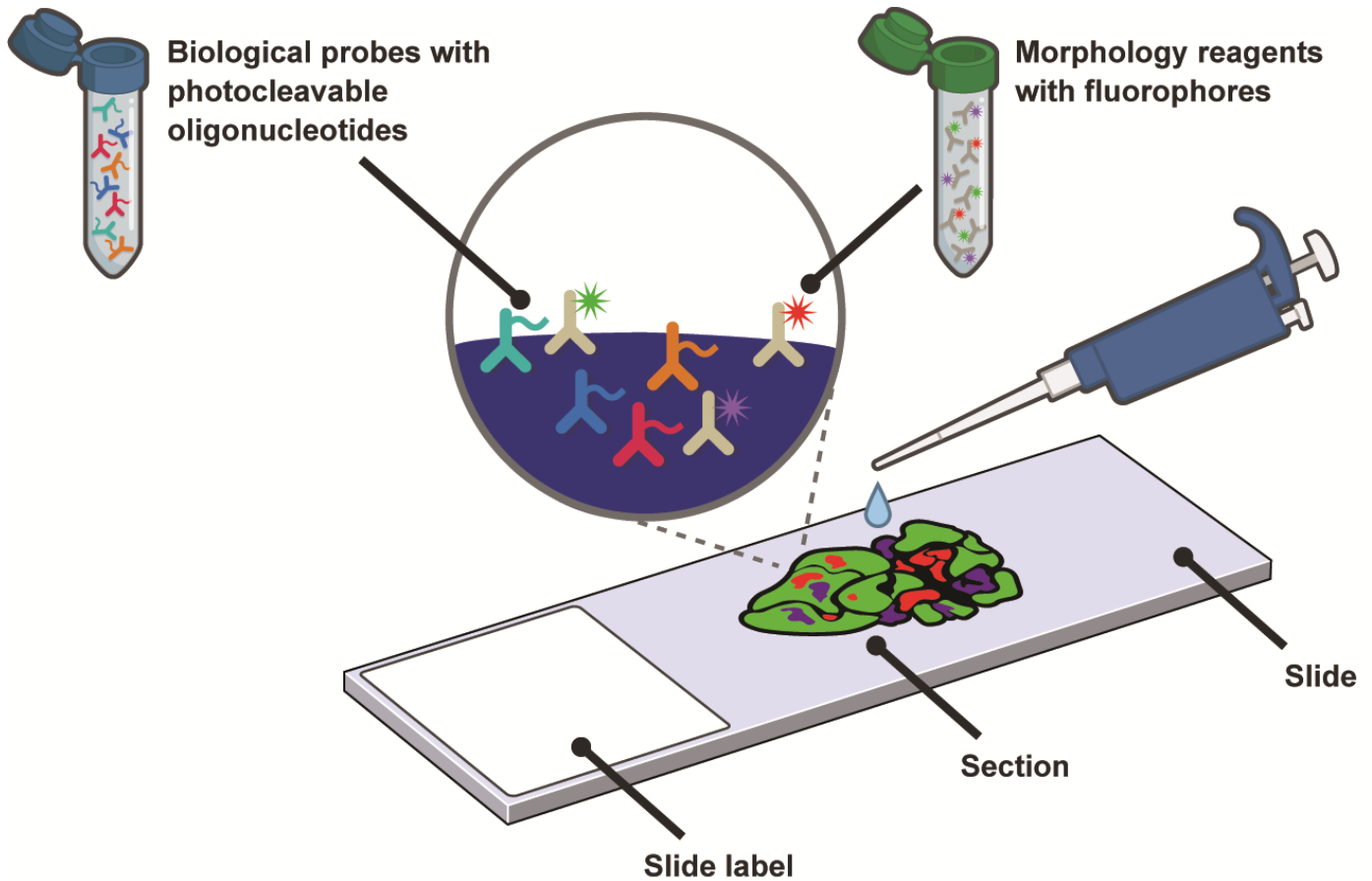
Slide Prep Introduction

Slide preparation is the first step of the GeoMx DSP run. NanoString provides **morphology kits**, which contain antibody-fluorophore complexes to illuminate the cell components most important to your analysis. **Core** and **Module kits** contain biological probes with photocleavable oligonucleotides. These oligos, if exposed to the GeoMx DSP instrument's UV light, will be released into solution and aspirated into a collection plate well for downstream nCounter platform processing.

All slide preparation topics are available under the **Slide Prep** header topic here in the GeoMx DSP Online User Manual; a PDF user manual covering the same topics is also available (see [GeoMx DSP Slide Prep User Manual.pdf](#)).



Slide Prep Overview & Terms



To run FFPE slides on the GeoMx DSP instrument, they must first be prepared with morphology reagents and biological probes.

- **Morphology reagents** bind to specific protein targets on the tissue, elucidating tissue morphology using the fluorescence imaging on the DSP system. Available GeoMx Morphology Reagent commercial kits include: Melanoma TME and Solid Tumor TME.
- **Antibodies/probes** bind to either proteins or RNA. Each antibody/probe contains a conjugated identifying photocleavable oligonucleotide. Available GeoMx panels include the Protein Slide Prep kit for FFPE.

Slide Prep Equipment, Materials, and Reagents

Equipment, materials, and reagents needed are listed at start of each slide prep process. See **Equipment Materials, & Reagents for Protein (or RNA) nCounter Assays on GeoMx DSP** (available under Support Documents at www.nanostring.com/GeoMxDSP) for a complete list of vendor and product number information.

Slide Prep Quick Guides

Download the Protein Slide Prep Quick Guide or the RNA Slide Prep Quick Guide at <https://www.nanostring.com/geomx-online-user-manual> or from the home page of this online user manual.

Quick Start Guide
GeoMx™ DSP Protein Slide Preparation PKA1-0100-01

Day 1

1. Reagent preparation

The following reagents are required for Slide Prep:

Reagent	Volume
Slide Prep Buffer	100 µl
Slide Prep Solution	100 µl
Slide Prep Adhesive	100 µl
Slide Prep Primer	100 µl
Slide Prep Sealant	100 µl

For additional information on specific reagent preparation, please refer to the corresponding sections of the Slide Prep User Manual.

2. Slide preparation

1. Prepare your slide according to the manufacturer's instructions. For the slide to be used for Slide Prep, the slide must be clean and free of any contaminants.
2. Slide Adhesive (20 µl) for the slide to be used.

3. Equipment and materials (Slide Adhesive) (20 µl)

Slide Adhesive is a two-part adhesive that is used to attach the slide to the slide holder. It is composed of two parts: Slide Adhesive A and Slide Adhesive B. The two parts are mixed together and then applied to the slide.

4. Sample collection (20 µl)

Slide Adhesive is used to collect the sample. The sample is collected by applying the Slide Adhesive to the slide and then collecting the sample. The sample is then analyzed using the Slide Prep system.

NanoString Technologies, Inc.

Quick Start Guide
GeoMx™ DSP RNA Slide Preparation PKA1-0100-02

Day 1

1. Reagent preparation

The following reagents are required for Slide Prep:

Reagent	Volume
Slide Prep Buffer	100 µl
Slide Prep Solution	100 µl
Slide Prep Adhesive	100 µl
Slide Prep Primer	100 µl
Slide Prep Sealant	100 µl

For additional information on specific reagent preparation, please refer to the corresponding sections of the Slide Prep User Manual.

2. Slide preparation

1. Prepare your slide according to the manufacturer's instructions. For the slide to be used for Slide Prep, the slide must be clean and free of any contaminants.
2. Slide Adhesive (20 µl) for the slide to be used.

3. Equipment and materials (Slide Adhesive) (20 µl)

Slide Adhesive is a two-part adhesive that is used to attach the slide to the slide holder. It is composed of two parts: Slide Adhesive A and Slide Adhesive B. The two parts are mixed together and then applied to the slide.

4. Sample collection (20 µl)

Slide Adhesive is used to collect the sample. The sample is collected by applying the Slide Adhesive to the slide and then collecting the sample. The sample is then analyzed using the Slide Prep system.

NanoString Technologies, Inc.