

Product Name:	Bionano Prep DLS-G2 Labeling Kit (12 Reactions)	CoA Number:	CoA-00034
Part Number:	80046	Lot Number:	230316-0001766


Kit Components

Component Part Number	Component Name	Component Lot Numbers	Expiration Date	Quantity
20356	DNA Stain, 65µL	230306-0001756	2024-03-03	1 ea
20428	5x DLE-1 Buffer, 175uL	230303-0001671	2024-03-01	1 ea
20429	20x DL-Green, 22uL	230303-0001672	2024-03-03	1 ea
20430	10x DLE-1, 44uL	230308-0001753	2024-09-03	1 ea
20431	4x Flow Buffer, 225uL	230308-0001754	2024-02-28	1 ea
20432	10x DTT, 90uL	230303-0001670	2024-02-27	1 ea
20434	Proteinase K, 60µL	230301-0001666	2026-03-02	1 ea
20357	DLS 24 Well Plate	221222-0001044	N/A	1 ea
20358	DLS Membranes, 25 ea	221201-0000835	2025-12-21	1 ea
20433	DLS Tape Sheet, 12 ea	230308-0001755	N/A	1 ea
20437	DLS Amber Tubes, 14ea	230227-0001663	N/A	1 ea
20355	Ultra Pure Water, 900µL	230203-0001404	2025-12-16	1 ea

Component QC Testing

Tests	Specifications	Results
10x DLE-1 – Purity	≥ 80%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
20x DL-Green – Purity	≥ 90%	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
10x DTT – DNase Assay	≤ 3% release of ³ H-DNA	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
DNA Stain – Absorption	0.71 ± 0.07 at 482 ± 3 nm	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Proteinase K – Enzyme Activity	≥ 318 mAU/ml	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
5x DLE-1 Buffer – pH	7.8 – 8.3	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
4x Flow Buffer – pH	8.0 – 8.4	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Ultra Pure Water – Appearance	Clear, colorless liquid	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Visual Inspection (All Above Components)	The appearance of the label is complete, no shedding; The product name, batch number, storage conditions, and the validity period are clear; The composition of the reagent is correct, and there are no duplicates or missing components; The components are in good shape, clearly marked and undamaged	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Bionano hereby certifies that the quality of this product conforms with internal specifications and meets required quality standards. This is to certify that the information listed above is a true and accurate copy of the data obtained for this material. This product is intended for research use only and not for use in diagnostic procedures.

Bionano Quality Assurance	
Review and Approved By:	
 Signature	2023-03-28 Date

Kit QC Testing

Tests	Characteristic	Results	
Functional Test	Map Rate $\geq 70\%$	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
	Label Density = 14 – 17 labels/100 kbp	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
	NLV $\leq 15\%$	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail
	PLV $\leq 10\%$	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail

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Bionano Quality Assurance	
Review and Approved By:	
<u>Zaidammari</u> Signature	<u>2023-03-28</u> Date