

Product Name:	Bionano Prep Sp-G2 Blood & Cell Culture DNA Isolation Kit & BMA-Add On	CoA Number:	CoA-00036
Part Number:	80060 & 80062	Lot Number:	230405-0001885 & 230302-0001702

Kit Components

Component Part Number	Component Name	Component Lot Numbers	Expiration Date	Quantity
20442	RBC Lysis Buffer, 18 mL	221122-0000853	2024-06-19	1 ea
20374	Cell Buffer, 50 mL	230316-0001886	2024-11-30	1 ea
20443	Digestion Enhancer, 4 mL	230317-0001889	2024-02-10	1 ea
20444	Lysis and Binding Buffer (LBB), 1.2 mL	230320-0001891	2024-05-01	1 ea
20445	Wash Buffer 1 (WB1), 4.5 mL	230320-0001892	2024-05-01	1 ea
20446	Wash Buffer 2 (WB2), 6.0 mL	230324-0001902	2024-05-01	1 ea
20378	Elution Buffer (EB), 1.1 mL	230323-0001899	2024-05-01	1 ea
20447	DE Detergent, 55 µL	230321-0001893	2025-09-27	1 ea
20448	4mm Nanobind Disks, 12 ea.	230321-0001894	2024-05-02	1 ea
20449	Protein LoBind Microcentrifuge Tubes, 1.5 mL, 12 ea.	230322-0001896	2025-03-16	2 ea
20450	Protein LoBind Microcentrifuge Tubes, 0.5 mL, 12ea.	230322-0001897	2025-03-17	1 ea
20451	SP Sheaths, 12 ea.	230323-0001900	N/A	1 ea
20452	Microcentrifuge Tubes, 2 mL, 12 ea.	230322-0001898	2025-03-17	1 ea
20423	DNA Stabilizer, 350µL	230317-0001888	2025-11-10	1 ea
20455	RNase A, 150 µL	230323-0001901	2025-10-27	1 ea
20355	Ultra Pure Water, 900 µL	230317-0001890	2025-01-22	2 ea
20441	Thermolabile Proteinase K, 150 µL	230321-0001895	2024-09-30	1 ea
20464	Bone Marrow Aspirate (BMA) Filters, 24 ea	230224-0001642	N/A	1 ea
20452	Microcentrifuge Tubes, 2 mL, 12 ea	230301-0001701	2025-03-01	2 ea
20398	DNA Stabilizer, 4 mL	230227-0001644	2025-11-10	1 ea

QC Component Testing

Tests	Characteristics	Results
RNase A – Enzyme Activity	> 70 units/mg protein (Kunitz Units)	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
DNA Stabilizer – pH	7.9 – 8.1	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cell Buffer – pH	7.3 – 7.5	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Thermolabile Proteinase K – Enzyme Activity	≥ 318 mAU/ml	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lysis and Binding Buffer – pH	6.0 – 8.0	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Wash Buffer 1 – pH	8.2 – 8.8	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Wash Buffer 2 – pH	8.4 – 9.2	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
RBC Lysis Buffer – pH	6.0 – 7.0	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Digestion Enhancer – pH	7.2 – 9.5	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
DE Detergent – pH	7.5 – 7.9	<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
Elution Buffer – pH	8.6 – 9.0	<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:

Zaidammari
Signature

2023-03-28

Date

QC Kit Testing

Tests	Characteristic	Results
Functional Test	DNA recovered ≥ 39 ng/ μ L	<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:	
<i>Zaidammari</i> Signature	2023-03-28 Date