Site Preparation:
User Supplied Material Checklist for SP Tissue and Tumor DNA Isolation Kit

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CG-00051

DOCUMENT REVISION:
B

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Revision History

REVISION	NOTES
A	Initial release.
B	Removed references to Saphyr to make document generally applicable; minor corrections and formatting edits

Introduction

This completed checklist will confirm that a user to be trained on the Bionano SP Tissue and Tumor workflow has all required and/or recommended user-supplied materials and equipment. The relevant lab personnel must go through the checklist, take inventory of their lab, and acquire any items not already present in their lab. Upon receipt of the items, the lab personnel will check the 'Present' box in each row corresponding to the item and return the completed checklist to the Bionano Field Application Scientist (FAS).

Please note that new user onsite training will be scheduled only upon the completion and submission of this signed form. Please list the wet lab contact(s), as well as any other contact(s) who will oversee this process to facilitate communication.

Should you have questions on any specific items in the list, please contact your Bionano FAS or email support@bionano.com to discuss.

This list covers only the DNA isolation protocol from tissue and tumor. It does not cover DNA labeling. To complete the checklist of user supplied material for the DNA labeling, please refer to *CG-00050 Site Preparation: User Supplied Material Checklist for SP-G2 DNA Isolation and DLS-G2 DNA Labeling Protocol* and fill out only the section titled, "User Supplied Material and Equipment for DLS-G2 DNA Labeling Protocol."

Site Details and Points of Contact

Institution name	**Address**	**e-mail address and phone number**

Point of Contact Dept.	Name	E-mail address

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User Supplied Material for SP Tissue and Tumor DNA Isolation Protocol

Item	Supplier	Catalog	Item Present
-20 °C freezer	General lab supplier		☐
4 °C refrigerator	General lab supplier		☐
TissueRuptor (Version I or II)*	QIAGEN	9002755	☐
Disposable Probes for TissueRuptor*	QIAGEN	990890	☐
Power strip (recommend if there is no on/off switch on TissueRuptor)	General supplier		☐
Ring Stand and Three-Prong Clamp	VWR or Equivalent	76293-368	☐
Weigh Boats	General lab supplier		☐
Precision Scale	Fisher Scientific or Equivalent	01-912-400	☐
Razor Blade	General supplier		☐
Dry ice (optional)	General supplier		☐
Aluminum Block	General lab supplier		☐
Metal Spatula	General lab supplier		☐
DynaMag™-2 Magnet*	Thermo Fisher	12321D	☐
HulaMixer™ Sample Mixer*	Thermo Fisher	15920D	☐
Phenylmethylsulphonyl Fluoride Solution (PMSF), 100 mM	Sigma-Aldrich	93482	☐
Ethanol, 200 Proof, Molecular Biology Grade	Sigma-Aldrich	E7023	☐
Isopropanol (IPA), ≥ 99.5%, Molecular Biology Grade	Fisher Scientific	AC327270010	☐
Conical Centrifuge Tubes, 15 ml, PP	Fisher Scientific	05-539-12	☐
Conical Centrifuge Tubes, 50 ml, PP	Fisher Scientific	14-432-22	☐

Item	Supplier	Catalog	Item Present
Refrigerated centrifuge with swinging bucket rotor for 15 ml conical tubes	Eppendorf or Equivalent	5804R	☐
Refrigerated microcentrifuge with 1.5 ml Tube Rotor	Eppendorf or Equivalent	5425R	☐
Minicentrifuge	Fisher Scientific or Equivalent	12-006-901	☐
Ice Bucket and Ice	General lab supplier		☐
Serological pipettes	General lab supplier		☐
Pointed Forceps	Electron Microscopy Sciences or Equivalent	78141-01	☐
Wide-Bore Pipette Tips, Filtered, Aerosol, 200 µl	USA Scientific or Labcon ZAP or Equivalent	1011-8810 or 1152-965-008-9	☐
Filtered Extra Long 1000 µl Tips, Sterile	VWR or Equivalent	76322-154	☐
Pipettes (10, 20, 200, and 1,000 µl) and Nuclease Free, Filtered Pipette Tips	General lab supplier		☐
Bath Sonicator (optional)	VWR or Equivalent	97043-976	☐
Benchtop Vortexer	VWR or Equivalent	10153-838	☐
Positive-Displacement Pipette MR-10 (recommended)**	Rainin or Equivalent	17008575	☐
Pipette Tips, 10 ul, C-10 for Positive Displacement Pipette (recommended) **	Rainin or Equivalent	17008604	☐
Qubit™ Assay Tubes*	Thermo Fisher	Q32856	☐
Qubit™ 4 Fluorometer*	Thermo Fisher	Q33238	☐
Qubit™ BR (Broad Range) dsDNA Assay Kit*	Thermo Fisher	Q32853	☐

*(Item in blue) We strongly encourage not substituting this equipment and getting the exact item recommended, as using these will give the most successful outcome from the workflow.
**A positive displacement pipette and tips work using a disposable piston that moves within a plastic capillary. This pipette can be highly effective in accurately pipetting and dispensing small volumes of viscous liquids such as the ultra-high molecular weight gDNA generated from Bionano's SP-G2 DNA Isolation Protocols.

Note on Disposal of Harardous Waste

Buffers LBB and WB1 provided in Bionano's SP DNA Isolation kits contain guanidine hydrochloride (GuHCl). GuHCl is harmful if swallowed or inhaled and causes skin and eye irritation. DO NOT mix with bleach or acidic reagents. Liquid waste containing GuHCl should be safely decontaminated with a quaternary ammonium disinfectant before disposal in a hazardous waste stream. We recommend following local environmental, health and safety regulations for decontamination and disposal of all solutions mixed with GuHCl.

Bionano's DNA Isolation Protocols also generate biological waste. Please follow your institution's guidelines for disposal of such biological and/or infectious waste.

Acknowledgement

By signing below, I declare that the information provided is accurate, in fact and form, to the best of my knowledge.

I understand that the success of the onsite training on the Bionano workflow depends on the possession of all required user-supplied materials and equipment.

Finally, I acknowledge that I have read the note on disposal of hazardous waste.

Customer Representative name, job title (printed):

Signature:

Date:

Comments:

Bionano FAS name (printed):

Signature:

Date:

Comments:

Technical Assistance

For technical assistance, contact Bionano Technical Support.

You can retrieve documentation on Bionano products, SDSes, certificates of analysis, frequently asked questions, and other related documents from the Support website or by request through e-mail and telephone.

TYPE	CONTACT
Email	support@bionano.com
Phone	Hours of Operation: Monday through Friday, 9:00 a.m. to 5:00 p.m., PST US: +1 (858) 888-7663 Monday through Friday, 9:00 a.m. to 5:00 p.m., CET UK: +44 115 654 8660 France: +33 5 37 10 00 77 Belgium: +32 10 39 71 00
Website	www.bionano.com/support
Address	Bionano, Inc. 9540 Towne Centre Drive, Suite 100 San Diego, CA 92121

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