

Nanobind Big DNA Kit

Version History



Nanobind CBB Protocol Version History

Nanobind CBB Big DNA Kit Handbook v1.8 (07/2019)

Current version compatible with all kit versions as of 07/2019.

Improved guidance on all vortexing and mixing steps for improved extraction performance

Modified sample homogenization steps for improved sample handling

Added new sequencing data

Added sequencing library preparation guidelines

Nanobind CBB Big DNA Kit Handbook v1.7 (10/2018)

Superseded by v1.8.

Added DNA homogenization guidelines to Heterogeneity and Viscosity section

Added new sequencing data

Added Quick Tips to all protocols

Modified guidance to elution and DNA homogenization on all protocols

Added guidance to QC Procedures section

Modified Troubleshooting section

Updated formatting and other minor edits

Nanobind CBB Big DNA Kit Handbook v1.6 (05/2018)

Superseded by v1.7.

Combined HMW and UHMW protocols and changed document name to Handbook.

Added sections on DNA Size, Heterogeneity and Viscosity, and Sequencing Performance.

Streamlined Gram-Positive Bacteria protocol.

Increased RNase digestion time from 2 min to 3 min in all protocols.

Added guidance during washing steps in all protocols.

Added guidance for drying steps in all protocols.

Added guidance on elution procedure in all protocols.

Updated formatting.

Nanobind CBB Big DNA Kit - High MW DNA Extraction Protocol v1.5 (02/2018)

Superseded by v1.6.

Updated formatting.

Updated sample information.

Modified workflow figure.

Corrected typographical errors.

Nanobind CBB Big DNA Kit - High MW DNA Extraction Protocol v1.4 (01/2018)

Superseded by v1.5.

Updated formatting.

Updated sample information.

Corrected typographical errors.

Nanobind CBB Big DNA Kit - High MW DNA Extraction Protocol v1.3 (01/2018)

Superseded by v1.4.

Corrected typographical errors.

Nanobind CBB Big DNA Kit - High MW DNA Extraction Protocol v1.2 (01/2018)

First publicly released protocol. Superseded by v1.3.

Updated sample information.

Eliminated 1 mL blood protocol.

Corrected typographical errors.

Nanobind CBB Big DNA Kit – Ultra High MW DNA Extraction Protocol v1.4 (03/2018)

Current version compatible with all kit versions as of 03/2018.

Updated guidance regarding addition of ethanol to Buffer CW1 and Buffer CW2.

Swapped order of Proteinase K and blood addition in whole blood protocol.

Change RNaseA incubation times to 3 minutes for whole blood.

Add tube rotator rpm to whole blood protocol.

Eliminate drying step from whole blood protocol.

Modify guidance to allow DNA to rest “at 4 °C or room temperature” to “at room temperature.”

Modify mini-centrifuge nomenclature to be consistent.

Corrected typographical errors.

Nanobind CBB Big DNA Kit – Ultra High MW DNA Extraction Protocol v1.3 (02/2018)

Superseded by v1.4

Updated formatting.

Corrected typographical errors.

Nanobind CBB Big DNA Kit – Ultra High MW DNA Extraction Protocol v1.2 (01/2018)

First publicly released protocol. Superseded by v1.3.

Nanobind CBB Kit Version History

Lot Numbers CBB10001 and on

Current kit version as of 03/2018.

Launch version of kits.

Nanobind Plant Nuclei Protocol Version History

Nanobind Plant Nuclei Big DNA Kit Handbook v0.18 (10/2018)

Current version compatible with all kit versions as of 10/2018.

Added DNA homogenization guidelines to Heterogeneity and Viscosity section

Added new sequencing data

Added Quick Tips to all protocols

Modified guidance to elution and DNA homogenization on all protocols

Added guidance to QC Procedures section

Modified Troubleshooting section

Updated formatting and other minor edits

Nanobind Plant Nuclei Big DNA Kit Handbook v0.17 (05/2018)

Superseded by v0.18.

Changed document name to Handbook.

Changed guidance on amount of input starting material in Step 1.

Increased Proteinase K from 20 uL to 30 uL in Step 2.

Added guidance for washing steps.

Added guidance for drying steps.

Added guidance for elution steps.

Corrected typo on PW1 ethanol concentration. Correct final ethanol concentration is 70% and not 80% as previously written in v0.16.

Corrected typographical errors.

Nanobind Plant Nuclei Big DNA Kit - High MW DNA Extraction Protocol v0.16 (03/2018)

Superseded by v0.17.

Current version compatible with all kit versions as of 03/2018.

Buffer CW2 was renamed to Buffer PW1 to minimize confusion across kits. Buffer CW2 at 80% final ethanol concentration is equivalent to Buffer PW1 at 80% final ethanol concentration. For plant nuclei, these wash buffers

should only be used at 80% final ethanol concentration Note: 80% was a typo. Final EtOH concentration of Buffer PW1 should be 70% after adding the recommended volume of EtOH.)

Changed guidance in Step 18 from “at 4 °C or room temperature” to “at room temperature.”

Corrected typographical errors.

Nanobind Plant Nuclei Big DNA Kit - High MW DNA Extraction Protocol v0.15 (02/2018)

Superseded by v0.16.

Updated formatting.

Added programming for HulaMixer.

Eliminated option to add TE buffer in Step 2.

Changed pulse vortex guidance from time (s) to repetitions (X).

Corrected typographical errors.

Nanobind Plant Nuclei Big DNA Kit - High MW DNA Extraction Protocol v0.14 (02/2018)

Superseded by v0.15.

Updated formatting.

Removed Low Nuclei Input Protocol.

Modified process to incorporate usage of wide bore pipette tips.

Added additional guidance for various process steps.

Corrected typographical errors.

Nanobind Plant Nuclei Big DNA Kit - High MW DNA Extraction Protocol v0.12 (01/2018)

First publicly released protocol. Superseded by v0.14.

Nanobind Plant Nuclei Kit Version History

Lot Numbers PL10010 and on

Current kit version as of 04/2018.

Volume of Proteinase K increased from 0.4 mL to 0.6 mL.

Buffer PW1 final ethanol concentration corrected to read 70% EtOH rather than 80% EtOH.

Lot Numbers PL10005 to PL10009

Buffer CW2 replaced with Buffer PW1. These can be used interchangeably as long as the final ethanol concentration is 80% (Note: 80% was a typo. Final EtOH concentration of Buffer PW1 should be 70% after adding the recommended volume of EtOH.)

Tube labels modified.

Lot Numbers PL10004 and earlier

Launch version of kits.