

Materials List for:

# A Technical Perspective in Modern Tree-ring Research - How to Overcome Dendroecological and Wood Anatomical Challenges

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URL: <https://www.jove.com/video/52337>

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## Materials

Name	Company	Catalog Number	Comments
Increment corer			<a href="http://www.haglofinc.com/index.php?option=com_content&amp;view=article&amp;id=57&amp;Itemid=88&amp;lang=en">http://www.haglofinc.com/index.php?option=com_content&amp;view=article&amp;id=57&amp;Itemid=88&amp;lang=en</a>
Core-Microtome			<a href="http://www.wsl.ch/dendro/products/microtomes/index_EN">http://www.wsl.ch/dendro/products/microtomes/index_EN</a>
Laboratory microtome			<a href="http://www.wsl.ch/dendro/products/microtomes/index_EN">http://www.wsl.ch/dendro/products/microtomes/index_EN</a>
Trephor micro corer			<a href="http://intra.tesaf.unipd.it/Sanvito/trephorEn.asp">http://intra.tesaf.unipd.it/Sanvito/trephorEn.asp</a>
Nawashin solution			Ten parts 1% chromic acid, four parts 4% formaldehyde and one part acetic acid
Picric-Anilin blue			One part saturated aniline blue and four parts Trinitrophenol dissolved in 95% ethanol
Safranin			Empirical Formula (Hill Notation) $C_{20}H_{19}ClN_4$
Astra-blue			Empirical Formula (Hill Notation) $C_{47}H_{52}CuN_{14}O_6S_3$
Ethanol			Linear Formula $CH_3CH_2OH$
Xylol (Xylene)			Linear Formula $C_6H_4(CH_3)_2$
Canada Balsam			Embedding solution for microscopy
Roxas Software			<a href="http://www.wsl.ch/dienstleistungen/produkte/software/roxas/index_EN">http://www.wsl.ch/dienstleistungen/produkte/software/roxas/index_EN</a>
ImageJ Software			<a href="http://imagej.nih.gov/ij/">http://imagej.nih.gov/ij/</a>
WinCell			<a href="http://imagej.nih.gov/ij/">http://imagej.nih.gov/ij/</a>