



QIAGEN Supplementary Protocol:

Scalable purification of archive-quality DNA from 0.5–20 mg paraffin-embedded tissue using the Gentra® Puregene® Tissue Kit

This protocol provides information about scaling of reagents required for purification of DNA from 0.5–20 mg paraffin-embedded tissue using the Gentra Puregene Tissue Kit.

The Gentra Puregene Tissue Kit enables convenient, scalable purification of DNA from a wide variety of tissue types as well as fixed cells and paraffin-embedded tissue. Reagent volumes are scaled proportionately according to the amount of starting material. Table 1 shows the volumes of reagents required for DNA purification from 0.5–20 mg paraffin-embedded tissue. The information provided in Table 1 is intended to supplement the information given in “Protocol: DNA Purification from Paraffin-Embedded Tissue Using the Gentra Puregene Tissue Kit” in the *Gentra Puregene Handbook*.

IMPORTANT: Please read the *Gentra Puregene Handbook*, paying careful attention to the safety information, before beginning this procedure. For safety information on the additional chemicals mentioned in this protocol, consult the appropriate material safety data sheets (MSDSs), available from the product supplier. The Gentra Puregene Tissue Kit is intended for molecular biology applications. This product is not intended for the diagnosis, prevention, or treatment of a disease.

Table 1. Purification of DNA from 0.5–20 mg paraffin-embedded tissue

	Weight of tissue (mg)		
	0.5–2	5–10	10–20
Tube size (ml)	1.5	1.5	1.5
Volume of xylene (μl)	100	300	600
Volume of 96–100% ethanol (μl)	100	300	600
Volume of Cell Lysis Solution (μl)	100	300	600
Volume of Puregene Proteinase K (μl)	0.5	1.5	3
Volume of RNase A Solution (μl)	0.5	1.5	3
Volume of Protein Precipitation Solution (μl)	33	100	200
Volume of 100% isopropanol (μl)	100	300	600
Volume of Glycogen Solution (μl)	0.5	0.5	–
Volume of 70% ethanol (μl)	100	300	600
Volume of DNA Hydration Solution (μl)	20	50	100

QIAGEN handbooks can be requested from QIAGEN Technical Service or your local QIAGEN distributor. Selected handbooks can be downloaded from www.qiagen.com/literature/handbooks/default.aspx. Material safety data sheets (MSDS) for any QIAGEN product can be downloaded from www.qiagen.com/ts/msds.asp.

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Scalable purification of DNA from 0.5–20 mg paraffin-embedded tissue (PG14 Jun-10)



Sample & Assay Technologies