



an agency of the  
Department of Arts and Culture

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### REQUEST TO SAMPLE INDIVIDUALS FOR ISOTOPIC ANALYSIS

Dear Dr Mbeki,

Thank you for your application to sample individuals currently held in Iziko's Physical Anthropology Collection.

Your application to examine and sample the below listed individuals has been approved. You can remove up to 15mg of enamel from available molars (M1, M2, M3). You have been granted permission to sample a rib (no more than 3cm) and a juvenile femur fragment (if there is one available), as well as remove a first molar root fragment but only if the tooth of the individual is already loose. Please liaise with the Iziko Archaeology Collections Manager to finalise samples.

Iziko acknowledges that samples will be exported to the University College Dublin, Ireland for processing and strontium isotope analyses using thermal ionisation mass spectrometry (TIMS). We are aware that you will be isolating the strontium at the University of Cape Town first before taking the samples to Dublin. This methodology requires less destructive sampling and is therefore supported by Iziko Archaeology.

Be advised that you will need to get a destructive analysis permit from Heritage Western Cape before the destructive component of your research can commence. This will include stakeholder

engagement, particularly with the Vredendal local community. You will also require an export permit from the South African Heritage Resources Agency (SAHRA).

<b>Accession numbers</b>	<b>Broad age (yrs)</b>	<b>Element to be sampled</b>	<b>Date: General</b>	<b>Location found</b>
SAM-AP 6114	35-49	M1 enamel, M1 root, rib	1837 - 1920	Vredendal
SAM-AP 6115	birth-1	rib	1837 - 1920	Vredendal
SAM-AP 6116	birth-1	rib	1837 - 1920	Vredendal
SAM-AP 6117	35-49	M1 enamel, M1 root, rib	1837 - 1920	Vredendal
SAM-AP 6120	birth-1	rib	1837 - 1920	Vredendal
SAM-AP 6121	35-49	M1 enamel, rib, root	1837 - 1920	Vredendal
SAM-AP 6123	birth-5	rib	1837 - 1920	Vredendal
SAM-AP 6125	birth-1	rib	1837 - 1920	Vredendal
SAM-AP 6126	>20	M1enamel, rib, root	1837 - 1920	Vredendal
SAM-AP 6127	birth-1	rib	1837 - 1920	Vredendal
SAM-AP 6128	prenatal-1	rib	1837 - 1920	Vredendal
SAM-AP 6129	birth-1	rib	1837 - 1920	Vredendal
SAM-AP 6130	birth-1	rib deciduous incisor, M1en	1837 - 1920	Vredendal
SAM-AP 6132	prenatal-1	rib	1837 - 1920	Vredendal
SAM-AP 6133	birth-5	rib, M1en	1837 - 1920	Vredendal
SAM-AP 6136	prenatal-1	rib	1837 - 1920	Vredendal
SAM-AP 6138	prenatal-1	rib	1837 - 1920	Vredendal
SAM-AP 6140	birth-1	rib, enamel, deciduous incisor	1837 - 1920	Vredendal
SAM-AP 6141	>50	M1 enamel, M1 root, rib	1837 - 1920	Vredendal
SAM-AP 6142	35-49	M1 enamel, M1 root, rib	1837 - 1920	Vredendal

SAM-AP 6143	birth-1	rib	1837 - 1920	Vredendal
SAM-AP 6145	35-49	M1 enamel, M1 root, rib	1837 - 1920	Vredendal
SAM-AP 6146	2-9	rib, M1en	1837 - 1920	Vredendal

We look forward to seeing results from this interesting research and understanding more about South African population diversity and recent migrations.

Best,



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