

headandneck 5000

Head and Neck 5000 - Biosample Collection

Sample	Sample Collection Details	Timepoint	Initial transport	Processing	Storage
Blood	16ml venous blood. Collected in EDTA tubes (1 x 6ml and 1 x 10ml)	Pre treatment	Posted at ambient temperature	Centrifuged at 3500 rpm for 10 minutes. Buffy coat collected for DNA extraction. Plasma stored in 200 µl & 500 µl aliquots.	Samples frozen & stored at -80°C
Saliva	At least 1ml (where possible) collected in sterile screw top container. No fixative added.	Pre treatment	Posted at ambient temperature	Samples divided into 7 x 1 ml tubes.	Samples frozen and stored at -80°C
Tissue	Formalin fixed paraffin embedded blocks	Tissue collected from diagnostic procedure or surgery to remove primary tumour	Posted at ambient temperature	H&E slides cut Tissue micro arrays (TMA) & digital images are planned. Tissue can only be released to researchers once TMAs constructed.	Ambient temperature

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Sample	Max. samples available	Assays	N
Blood	All sites: 4,587 Oral cavity: 1,147 Oropharynx: 1,611 Larynx: 924	GWAS on oropharyngeal and oral cavity patients has been completed. Further GWAS is planned.	All sites: 1,079 Oral cavity: 426 Oropharynx: 596 ¹
		HPV status on whole cohort	planned
Saliva	All sites: 4,899 Oral cavity: 1,199 Oropharynx: 1,752 Larynx: 968	None at present	
Tissue	All sites: 2,518 Oral cavity: 710 Oropharynx: 839 Larynx: 486	HPV status (P16 & ISH)	planned

¹ IARC definitions of oral cavity and oropharynx tumours were used, which differ from the definitions used in HN5000. The availability of GWAS data by tumour site is by HN5000 definition.