

SAMPLES COLLECTED IN THE BARWON INFANT STUDY

SAMPLE TYPE	COLLECTION TIME POINT & METHOD & VOLUME & SIZE		NUMBER COLLECTED	PROCESSED FOR
Umbilical cord blood	Birth	50ml tube (RPMI with preservative-free heparin)	978	Whole blood sample (WB), Plasma, MNC
		8.5ml SST tube	934	Serum
Umbilical cord tissue		≈1cm piece	1020	
Placental tissue		≈0.5-0.8cm ² piece of tissue x 2	1024	Genomic DNA
Meconium		Stool pot, up to 5g	1000	
Peripheral Blood	Mother, 28wk gestation	15ml tube (preservative-free heparin)	1081	WB, Plasma
		8.5ml SST tube	1085	Serum
	Infant, 6mth	15ml tube (preservative-free heparin)	817	WB, Plasma, MNC
	Infant, 12mth		768	WB, Plasma, MNC
	Child, 4yr		523	WB, Plasma, MNC
	Child, 8yr (on going)	15ml tube (preservative-free heparin)	6	WB, Plasma, MNC
		8.5ml SST tube	6	Serum
	Mother, at child 8yr apt (on going)	15ml tube (preservative-free heparin)	6	WB, Plasma, MNC
		8.5ml SST tube	6	Serum
			Total=4298	
Stool	Mother, 36wk gestation	Stool pot, up to 5g	944	DNA, 16S profile
	Infant, 1mth		938	DNA, 16S profile
	Infant, 6mth		879	DNA, 16S profile
	Infant, 12mth		707	DNA, 16S profile
	Child, 2yr		589	DNA
	Child, 4yr		498	DNA
	Child, 8yr (on going)		8	DNA
	Mother, at child 8yr apt (on going)		12	
			Total=4575	
Urine	Mother, 36wk gestation	Urine pot, 1-20ml	942	
	Infant, 1mth		905	
	Infant, 9mth, those participating in		287	

	Optional 'Home Visit'			
	Infant, 12mth		657	
	Child, 2yr		495	
	Child, 4yr		641	
	Child, 8yr (on going)		12	
	Mother, at child 8yr apt (on going)		13	
			Total=3952	
Hair	Mother, 36wk gestation	Small lock of hair	972	
	Infant, 1mth	≈5 strands of hair	981	
	Infant, 9mth		364	
	Child, 2yr		646	
			Total=2963	
Nasal Swab	Birth	A single swab in the anterior of the left and right nostril	533 (266 x L + 267 x R)	
	Infant, 1mth		577 (288 x L + 289 x R)	RNA Seq
	Infant, 6mth		761 (381 x L + 380 x R)	
	Infant, 12mth		1088 (544 x L + 544 x R)	
	Child, 4yr		1366 (685 x L + 681 x R)	
	Child, 8yr (on going)		20 (10 x L + 10 x R)	
			Total=4345	
Oral Saliva Swab	Mother	A single swab placed under the tongue	157	
	Infant, 6mth		158	
	Infant, 12mth		169	
			Total=484	
Saliva	Child, 8yr (on going)	50ml falcon tube, up to 3ml	10	
Buccal swab	Child, 4yr	A single swab used to scrape the inside of the left and right cheeks respectively	1389 (697 x L + 692 x R)	
	Child, 8yr (on going)		20 (10 x L + 10 x R)	
			Total=1409	
Dental plaque swab	Child, 8yr (on going)	A single swab used to scrape from along the gingival margins and occlusal surfaces of the teeth at the left and right side of the mouth	20 (10 x L + 10 x R)	

Child deciduous teeth	Child, 8yr (on going)		(To be collected)	
Dust	Infant, 9mth	Coarse and fine dust samples collected from two areas: infant's bedroom & living room floor	1390	
Breast Milk	Infant, 1mth	10-20ml if mother was breast feeding	297	
	Infant, 6mth		34	
	Infant, 12mth		34	
		Total=365		