

MADCaP CENTRE FACILITY ASSESSMENT FORM

CENTRE NAME:

DATE:

CONTACT PERSON:

CONTACT DETAILS:

This form serves as an assessment to evaluate that each MADCaP centre has the necessary minimum infrastructure to perform the technical applications recommended by the CPGR for sample preparation. Each centre is expected to deliver high quality DNA for downstream processing on the Affymetrix GeneTitan for the GWAS study.

Table 1: Infrastructure assessment

	INFRASTRUCTURE REQUIREMENT	YES	NO	COMMENTS
1	Phlebotomist			
2	Barcode scanner			
3	Wire racks			
4	4°C degree fridge			
5	-20°C degree freezer			
6	-70°C degree freezer			
7	Molecular Grade Water			
8	Isopropanol (Molecular Grade)			
9	Absolute ethanol (Molecular Grade)			
10	7.5 M NH4OAc (Sigma, A2706)			
11	TE Buffer			
12	Glycogen (5 mg/mL)			
13	Pipettes (2µl, 20µl, 200µl, 1000µl)			
14	Pipette tips (10µl, 20µl, 200µl, 1000µl)			
15	15ml sterilin tubes			
16	50ml sterilin tubes			
17	Pipette filler			
18	Serological pipettes			
19	Measuring cylinder			
20	Schott Bottles			
21	Micro-centrifuge preferably refrigerated or operated in a cold room			
22	1.5ml Microcentrifuge tubes			
23	Microcentrifuge racks			
24	Microcentrifuge boxes			
25	Nanodrop or Spectrophotometer			

	INFRASTRUCTURE REQUIREMENT	YES	NO	COMMENTS
26	Agarose			
	• Microwave			
	• Balance			
	• Weighing boats			
	• Lab spatula			
	• Conical flask or Schott bottle			
	• Ethidium bromide or SybrSafe			
	• Electrophoresis trays			
	• Electrophoresis combs			
	• Gel Casting tray or masking tape			
27	Pre-cast 1% agarose gel			
	• Novel juice			
28	10X TBE buffer			
29	High Molecular weight marker			
30	6X DNA gel loading dye			
31	Electrophoresis tank			
32	Electrophoresis power pack			
33	Gel imaging system			
34	Centrifuge with adjustable g-force capable of attaining 2500 x g, equipped with a swing-out rotor and buckets that accommodate 50 ml Processing Tubes			
35	Heating block or Water bath capable of 65°C			
36	Vortex mixer			
37	Laminar flow or Vacuum concentrator (capable of holding 96 well plates)			
38	Heat sealer			

Please complete the Sample Inventory table and indicate the total number (existing and expected) of samples that your centre will be submitting over the project lifespan. Further indicate the type of samples you will be shipping to the CPGR (e.g. blood, buccal swab etc.) in the comment section if your centre is unable to perform DNA extractions.

Table 2: Sample Inventory

	No. of samples	Type (e.g. DNA, blood, buccal swab etc.)	Comment
<i>E.g. Existing samples</i>	35 50	DNA Blood	Archived since 2010 Still to be extracted and unable to perform extraction
Existing samples			
Expected samples 2015			
Expected samples 2016			
Expected samples 2017			
Total samples submitted			