

Primate DNA Panels

Product Data Sheet

Product Name: Primate DNA Panel
Catalogue No: 06041306
Delivery State: Primate DNA Panel (8 x 5µg)

Manufactured by:



Intended Use

ECACC Primate DNA Panels are intended as an aid to facilitate research in primate genetic diversity and evolution, comparative genomics, and population genetics. The DNA is designed for single use.

Description

The primate DNA available is extracted from cell lines listed in the General Collection. The DNA is extracted and purified using standard techniques that yield high molecular weight DNA, as verified by agarose gel electrophoresis. The composition of each panel is completely defined and standardised so that each product lot will be identical.

Sample Details

The table below provides information on the primate DNA within the panel:

Genus	Species	Common Name	Cell line Name
<i>Cercopithecus</i>	<i>aethiops</i>	African Green Monkey	MA104
<i>Pan</i>	<i>troglydytes</i>	Chimpanzee	EB176 (JC)
<i>Macaca</i>	<i>fasicularis</i>	Cynomologous monkey	CYNOM-K1
<i>Gorilla</i>	<i>Gorilla</i>	Gorilla	EB(JC)
<i>Hylobates</i>		Gibbon	MLA144
<i>Pygmaeus</i>	<i>Pongus</i>	Orang-utan	EB185 (JC)
<i>Aotus</i>	<i>trivirgatus</i>	Owl monkey	OMK (637-69)
<i>Saguinus</i>	<i>oedipus</i>	Cotton-top Tamarin Monkey	B95-8

Amount and concentration of DNA

The DNA concentration is measured using the NanoDrop 1000 spectrophotometer.

The DNA is dissolved in 10mM Tris (pH8) 1mM EDTA to preserve the quality of the DNA.

Total DNA per sample: Minimum of 5µg

Concentration: Target 100ng/µl typical range +/- 10ng/µl

Minimum recoverable volume: 50µl

Storage

ECACC DNA specimens are supplied frozen to preserve quality and also to facilitate handling. On receipt, tubes should be stored at -80°C. The DNA tubes presentation is intended for single use although, with care, repeat use is possible. After thawing, the tubes can be stored at 2-8 °C for 6 months, provided precautions are taken to prevent fluid loss by evaporation.

Repeated freeze-thawing cycles can damage the DNA and should be avoided.

Use of DNA Panels

Remove the tubes from the polythene bag / packaging and make sure this Data Sheet is retained safely.

Place the tubes on a level surface, top uppermost and allow to thaw. Centrifuge the tubes to force all the fluid to the bottom.

Warnings and Precautions

Use clean pipette tips for each specimen.

The master cell banks used to prepare the DNA extracts are taken from 'low risk' cell lines. However it is recommended that standard laboratory precautions for handling potentially infectious material should be employed.

Limitations of Use

ECACC DNA Panels are intended for research use only.