

**Msp-1 polymorphism detected with a cDNA probe for the P-450 I family on chromosome 15**Nigel K.Spurr<sup>1</sup>, Alan C.Gough<sup>1</sup>, Karren Stevenson<sup>2</sup> and C.Roland Wolf<sup>2</sup>Imperial Cancer Research Fund, <sup>1</sup>Clare Hall Laboratories, Blanche Lane, South Mimms, Herts EN6 3LD and <sup>2</sup>Molecular Pharmacology Laboratory, Department of Biochemistry, Hugh Robson Building, Edinburgh, UK

**SOURCE/DESCRIPTION:** A 1.2kb cDNA clone pMP1 coding for the 3' end of the human cytochrome P450 gene cloned in pUC at the EcoRI restriction site.

**POLYMORPHISM:** Msp 1 identifies a two allele polymorphism with bands at 2.2kb (A1) or 1.8kb (A2).

**FREQUENCY:** A total of 12 individuals of caucasian origin were screened:  
 A1 (0.8):  
 A2 (0.2):

**NOT POLYMORPHIC FOR:** Bgl II, Taq I, Pvu II, Rsa I, tested on a panel of unrelated individuals of caucasian origin.

**CHROMOSOMAL LOCALISATION:** Assigned to chromosome 15 using a panel of human-mouse somatic cell hybrids.

**MENDELIAN INHERITANCE:** Co-dominant segregation shown in two families.

**PROBE AVAILABILITY:** Available for collaborative studies, contact C.R.W.

**OTHER COMMENTS:** Polymorphism detected under usual stringency conditions with a final wash at 0.2xSSC at 65°C. Sequence analysis of the clone indicates it is similar to one reported by Jaiswal et al. (1985).

**REFERENCE:** Jaiswal A.K. et al. (1985) Science 228, 80-82.

**ACKNOWLEDGEMENTS:** The authors would like to thank Lesley Rooke and Malcolm Hawkins for help in preparing DNA.

