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EDVO-Kit #

PCR-based VNTR Human DNA Typing

Storage:

See page 2 for specific instructions.

Experiment Objective:

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BACKGROUND INFORMATION

Background Information

P F c DNA efe c af e a a de F f d d aF d d aF B e a e aF f e e v e e c DNA b a ed f a d d aF e a b- a a "DNA F e " f a d d aF S c DNA f e a e v ed e F de f e a e e aF ec de - f a e a , a dde e e a e . DNA F- a e aF ed a a e f ce a d ea e a a e a e e c ba .

T e c F ed F a e e v c a e ; e e a e a f a e e F (FLP). Re c f a e e F (RFLP) e F e- c DNA d e ed a ec f c e c e e a d a a- be ed be a F ed b d e a ec f c e f DNA. T a F e e a e a a e e e' e c- e a a c a e . T e RFLP ec e e e e a e F a e(e a)a f DNA a da F e e S -

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BACKGROUND INFORMATION

Background Information, continued

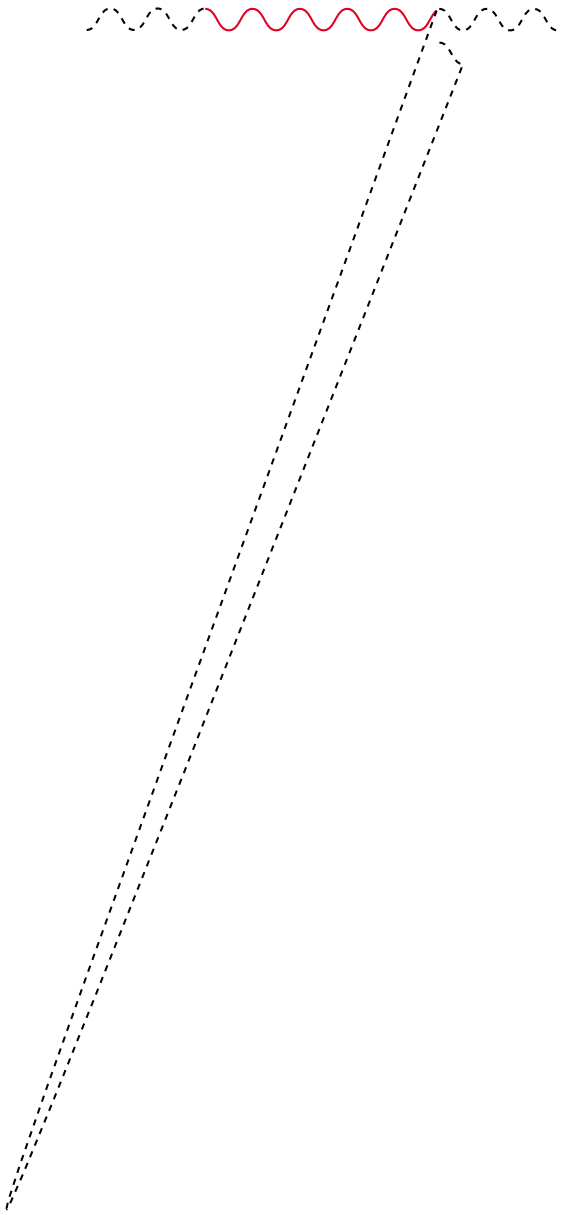

Figure 2 - The Polymerase Chain Reaction (PCR)

I f e cJab a e, ec. e c Jec ed f. e ce e a e ea ed b a . e d F e e cell- e b a e a d e Jea e e DNA. F JF F , e cell- a e f e e , e ded a ce Ja a e , c e e cell- Ja ca a b PCR. T e DNA e . b ec ed RFLP AMPFLP a F . T e - f Je b a ed e c a ed a F f DNA f. e c e c. A DNA ac be ee e e ce e a Jea d a , ec d ca e a e , ec a e e a e ce e.

A e ed ab e, AMPFLP a F e e F- e a e c a eac (PCR). PCR, a e ed 1984 b Ka M JF a a ded a N be FF e f 1994. T e e . F f PCR ba ed ea e f e a d ab F a Ff DNA. T e PCR a Ff ca (F e 2) e a e e a *Taq* F. e a e. T e e f ed f a bac e a F Ja ed f a d ab Je a e e e a e . A F cF ded e PCR eac e a e (15-30 c Je de) e c F c Je- de a " e " a d e e ac ed DNA e - Ja e a F a e a e DNA.

I e f e f e PCR eac , e a e c F- e a DNA a d a e. e Jed/ e a a ed f. eac e a 94°C, Je e *Taq* F. e a e e a ab Je. I e ec d e , a a ea F , e a Je c Jed 65°C a F b d a f e e a d f e a e DNA. I e e e a e e D1S80 F c e e ac ed DNA. I e d e , e e e a e a ed 72°C a d e *Taq* F. e a e add c Je de e e c - Je e e f e e c Je e a a d. T e e ee e - de a a , a ea F , a d DNA e - c e", e PCR c cle". T ce ca F. e ea ed f 20-30 c Je, a Ff e a e e- e ce e e a F (F e 2). PCR e f. ed a e a c Je c a ed a d F ea c F a d a a a Je a de a ed e e a e f a a f e.

I e e e eac de Fe ac / e DNA f. c ee ce F, a Ff DNA a e D1S80 F c b PCR, a d e a e e PCR d c a a e eF. Ob- ec e f e e a e e Ja f a DNA a d e c a f DNA F. be- ee d d a F b PCR a Ff ca a d e Jec - e .

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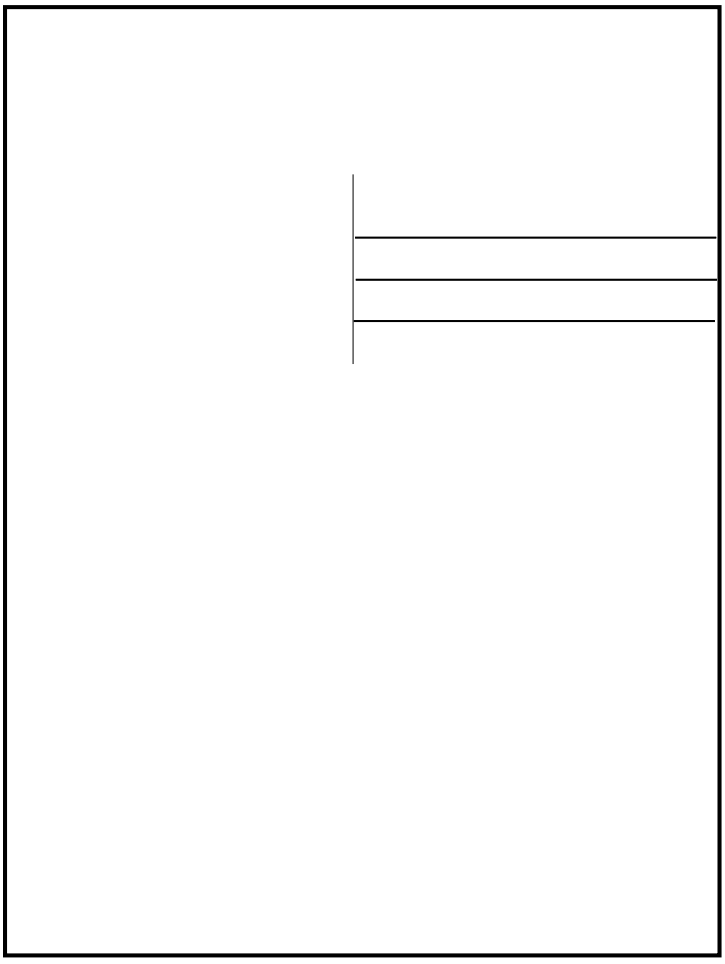

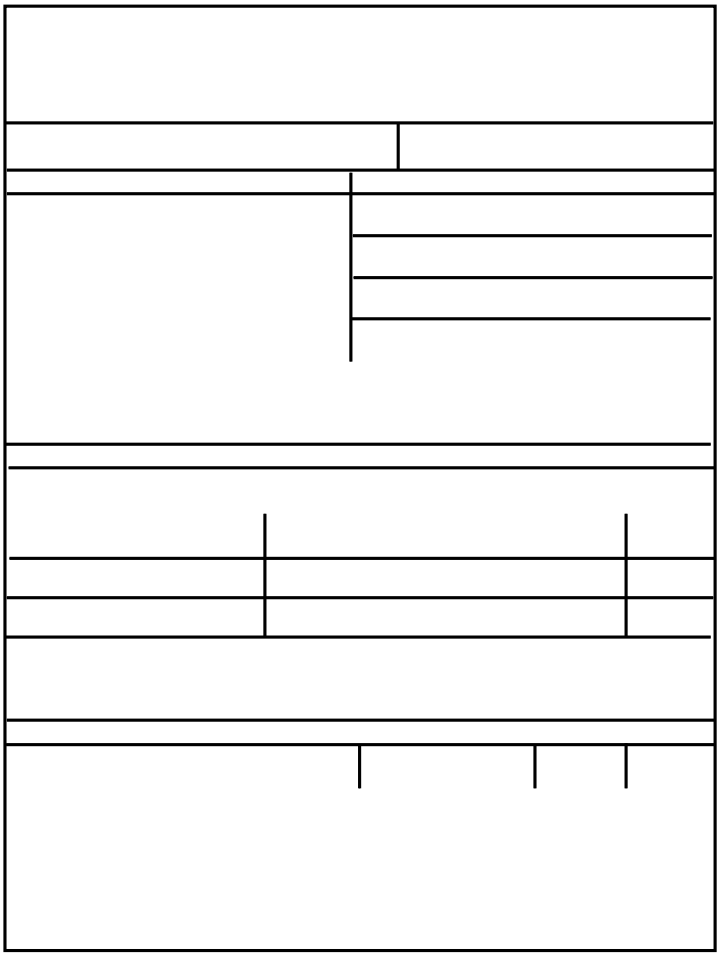

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid

Incompatibility

Section VI - Health Hazard Data

Route(s) of Entry:8142 lTm036 5.409Ski4?tion4 (R19 l 9 m)Tj 409Othertion-2Tm0lity5 m 72 5.409S0 6.9041 -tibil401.2.325 5