

Appendix 35

HUMAN BLOOD TYPING USING LECTINS

(Data gathered by Dr N. Sathyananda)

All lectins used were from seeds;
agglutination was at room temperature

A: DISTINGUISHING ANIMAL BLOOD FROM HUMAN BLOOD

1. Agglutinating with *Pongamia pinnata* or *Cassia tora* (both in PVP)

Human Blood (A, B, AB or O)

NOT agglutinating with *Pongamia pinnata* or *Cassia tora* (both in PVP)

Sheep, pig, cow, rabbit, chicken or dog blood

IDENTIFICATION OF HUMAN BLOOD GROUPS

SCHEDULE 1

2. Agglutinating with *Crotalaria pallida* (in PBS)
A, B or AB (not O)
3. Agglutinating with *Cassia alata* (in **PVP**)
A or B (not AB or O)
4. Agglutinating with *Psoralea corylifolia* (in **PVP**)
A1 or A2 (not B or AB)
5. Agglutinating with *Dolichos biflorus* (in **PBS**)
A1 (not A2, B, AB or O)
6. Agglutinating with *Cassia spectabilis* (in **PBS**)
B or O (not A or AB)
7. Agglutinating with *Cassia biflora* (in **PVP**)
O (not A, B or AB)
8. Agglutinating with *Cassia spectabilis* (in **PBS**) and
Not agglutinating with *Cassia biflora* (in PVP);;
B (not A or O)
9. Not agglutinating with *Bauhinia tomentosa* (in **PBS**);
H (Bombay group)

SCHEDULE II

1. Agglutinating with *Dolichos biflorus* **A1**
2. Agglutinating with *Psoralea corylifolia*
(in **PVP**) AND NOT with *Cassia spectabilis*
(in **PBS**) or *Cassia biflora* (in **PVP**) **A2**
3. Agglutinating with *Cassia spectabilis*
(in **PVP**) AND NOT with *Cassia biflora*
(in **PVP**) **B**
4. Agglutinating with *Crotalaria pallida*
(in **PBS**) AND NOT with *Cassia alata*
(in **PVP**) **AB**
5. Agglutinating with *Cassia biflora* AND
NOT with *Crotalaria pallida* or
Cassia alata (all in **PVP**) **O**
6. Not agglutinating with *Bauhinia*
tomentosa (in **PBS**)
(Bombay group) **H**