

## 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**