

Appendix 36

ANIMAL 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 ANIMAL BLOOD

SCHEDULE 1

1. Agglutinating with *Cassia alata* (in PVP)
Sheep, pig, cow or chicken (not rabbit or dog)
2. Agglutinating with *Derris trifoliata* or *Sarothamnus scoparius* (both in PVP)
Sheep, pig or rabbit (not cow, chicken or dog)
3. Agglutinating with *Cassia spectabilis* (in PVP)
Sheep or pig (not cow, rabbit, chicken or dog)
4. Agglutinating with *Crotalaria pallida* (in PBS)
Pig or cow (not sheep rabbit, chicken or dog)
5. Agglutinating with *Cassia roxburghii* (in PBS)
Cow or chicken (not sheep, pig, rabbit or dog)
6. Agglutinating with *Saraca asoca* (in PBS)
Pig or rabbit (not sheep, cow, chicken or dog)
7. Agglutinating with *Tephrosia purpurea* (in PBS)
Dog (not sheep, pig, cow, rabbit or chicken)

SCHEDULE II

1. Agglutinating with *Trifolium repens* (in **PVP**)
Sheep
2. Agglutinating with *Cassia javanica* or *Sophera tomentosa* (both in **PVP**)
Pig
3. Agglutinating with *Cassia carnavel* (in **PVP**)
COW
4. Agglutinating with *Acacia catechu*, *Parkia biglandulosa*, or *Bauhinia galpinii* (all in **PBS**),
Alysicarpus monilifer or *Crotalaria retusa* (both in **PVP**)
Rabbit
5. Agglutinating with *Cassia fistula*, *cassia grandis*, *Cassia hirsuta* or *Cassia renigera* (all in **PBS**)
Chicken
6. Agglutinating with *Tephrosia purpurea* (in **PBS**)
Dog