

Your Table

Tube Number	Sample	Clinistix Result			
		Negative	Light	Medium	Dark
1					
2					
3					
4					
5					
6					

Conclusions

? Which solutions did not cause the test stick to change colour?

? Why was there no colour change with these liquids?

? Which test solutions contained the highest amount of glucose? How could you tell?

? Which test solutions contained the lowest amount of glucose? How could you tell?

Extra Information

The human body needs glucose as a fuel for all the cells.

Ideally, the levels of glucose in the blood (blood sugar level) should be kept within a very narrow range. If blood sugar levels remain too high in the body for long periods of time or dip too low, this can cause problems.

A disease called diabetes causes the amount of glucose in the blood to be too high because the body cannot use it properly. This can be for one of two reasons;

- The pancreas does not produce any insulin, or not enough (Type 1 Diabetes)
- The body cannot properly use the insulin that is produced (Type 2 Diabetes)

There are two special chemicals (hormones), insulin and glucagon which have the job of keeping blood sugar levels balanced. These hormones are made in the pancreas.

