***CBD Genetic Test*** *- Technical Summary*

*IMPORTANT:* The information contained in this document is for convenience and informational purposes only, without warranty or condition of any kind.

Cannabidiol (CBD) is one of the main cannabinoids in cannabis and has no psychoactive effects but has several therapeutic effects. The CYP2C19 enzyme in the liver is the main route for metabolising and eliminating CBD from the body. The CYP2C19 genotype indicates a person’s ability to metabolise CBD. A slower metabolism of CBD results in higher CBD blood levels, while a faster metabolism results in lower CBD blood levels.

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| Genotype | Outcome |
| \*1/\*1 | Normal CYP2C19 enzyme activity and metabolises CBD at the normal (fast) rate.  **This means a dose adjustment of a CBD prescription should not be required** |
| \*1/\*2, \*1/\*3, \*2/\*17, \*3/\*17 | Reduced CYP2C19 enzyme activity and metabolises CBD at a slow rate. |
| \*2/\*2, \*2/\*3, \*3/\*3 | Very low or nil CYP2C19 enzyme activity and metabolises CBD at very slow rate.  **This means a decrease in dose of a CBD prescription should be considered** |
| \*1/\*17 | Increased CYP2C19 enzyme activity and metabolises CBD at a fast rate.  **This means an increase in dose of a CBD prescription should be considered** |
| \*17/\*17 | Increased CYP2C19 enzyme activity and metabolises CBD at a very fast rate.  **This means an increase in dose of a CBD prescription should be considered as the CBD will be eliminated very quickly** |