

GT BLB

Blood Lysis buffer

CAT# GT-33101

Product Description:

- Every PCR needs good quality DNA or cDNA. DNA extraction is expensive and time consuming as well as being a burden to the lab.
- GT BLB (Blood Lysis Buffer) is a special buffer to enable the user to use blood directly in a PCR requiring no DNA extraction. **The diluted blood** can be used directly to perform molecular tests on multiplex STR based kits like GT Detector HID kits, Aneasure, AZF, and other multiplex PCR based kits from Genetek Biopharma

Advantages:

- No special treatment is required
- No DNA extraction is needed
- Its inexpensive and easy to use
- Small amount of blood is needed.
- One drop of blood is enough for 100s of PCR

How to use:

We recommend use of 1 μ l of peripheral blood with 4 μ l of BLB and using 1 μ l for each PCR. Please use fresh and keep the rest at 4°C until use, though we recommend using it fresh. This buffer can also be used on frozen blood as well as blood cells lysed due to freeze-thawing.

This buffer has been optimized on Aneasure and Aneasure Plus, Aneasure Extra Plus kits, AZF, AZF Plus, GT Detector range of HID kits, etc. The PCR program has to have hot start program with at least 5 min of initial denaturation at 95°C. For other kits the user has to test and optimize the PCR condition.

Troubleshooting:

We recommend use of good quality DNA as positive control for the first time use. The GT BLB should produce the same type of result if the right amount of blood has been used. Sometimes, blood have inhibitors which hamper PCR as seen with DNA extracted from these blood. Testing more than 200 samples, we did not notice any inhibition. Do not use more than 2 μ l **of diluted blood** since excess blood may inhibit PCR due to presence of excess Hem.

For any further information, please contact our technical service via email: (support@genetek.de).