



# Genomic DNA from *Plasmodium falciparum* strain 3D7

PRA-405D™

## Description

Genomic DNA isolated from *Plasmodium falciparum* strain 3D7. This product can be used in PCR or other molecular biology applications.

**Organism:** *Plasmodium falciparum* Welch

**Mass:** 200 ng

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -20°C or colder

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## Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Handling Procedures

Ready to use, DNA is provided in solution with 1X TE.

1. Thaw the vial at room temperature.
  2. Avoid exposing genomic DNA to repeated freeze-thaw cycles. Subjecting genomic DNA to repeated free-thaw cycles may result in degradation of the DNA and variations in copies/ $\mu$ L.
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## Quality Control Specifications

**Electrophoresis - molecular weight:** >50 kilobase pairs

**Electrophoresis - RNA content:** No RNA was detected by electrophoresis

**Purity (A260/A280):** 1.6 to 2.0

**Integrity:** Integrity of DNA was determined by electrophoresis on a 1% agarose gel stained with SYBR Safe™, and was found to be of high molecular weight.

**Functional tests:** Functional activity of the genomic DNA was confirmed by PCR amplification of a 0.67 kb fragment of the species specific *Plasmodium falciparum* *msp2* gene and sequence comparison to other *P. falciparum* strains.

**Identity:** Identity of the genomic DNA was confirmed by PCR amplification of a 0.67 kb fragment of the species specific *Plasmodium falciparum* *msp2* gene and sequence comparison to other *P. falciparum* strains.

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## Notes

Genomic DNA is appropriate for PCR and other molecular biology applications.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Genomic DNA from *Plasmodium falciparum* strain 3D7 (ATCC PRA-405D)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Warranty

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## Revision

# Genomic DNA from *Plasmodium falciparum* strain 3D7

PRA-405D

Product Sheet

This information on this document was last updated on 2024-10-26

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