

Resource Summary Report

Generated by [dkNET](#) on Sep 9, 2026

SapphireAmp PCR Master Mix -- CHEM 584

DOI:10.17504/protocols.io.bmc7k2zn

Type: Protocol

Proper Citation

Ken Christensen 2020. SapphireAmp PCR Master Mix -- CHEM 584. protocols.io
dx.doi.org/10.17504/protocols.io.bmc7k2zn

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bmc7k2zn>

Authors: Ken Christensen

Summary: SapphireAmp Fast PCR Master Mix contains a hot start PCR enzyme, optimized buffer, dNTP mixture, gel loading dye (blue), and a density reagent as a 2X premix. SapphireAmp Fast PCR Master Mix is optimized for fast PCR and offers a rapid extension rate (10 sec. per kb). The inclusion of blue dye and a density reagent allows direct loading of PCR products on an agarose gel for electrophoresis. The master mix format simplifies workflows and sample handling; simply add primers, template, and water and then begin PCR. SapphireAmp Fast PCR Master Mix is ideal for fast colony PCR screening. Fast colony PCR amplification of a 5 kb insert can be completed in approximately 1 hr 15 min. Furthermore, it is possible to amplify fragments up to 6 kb from genomic DNA templates.

Affiliations: Brigham Young University

Version: 1

Publication Date: 2020

Proper Citation: Ken Christensen 2020. SapphireAmp PCR Master Mix -- CHEM 584. protocols.io dx.doi.org/10.17504/protocols.io.bmc7k2zn

Record Creation Time: 20210329T220533+0000

Record Last Update: 20210329T221011+0000

Data and Source Information

Source: