

# In Silico PCR

This workflow simulates the PCR process.



## How to Use This Sample

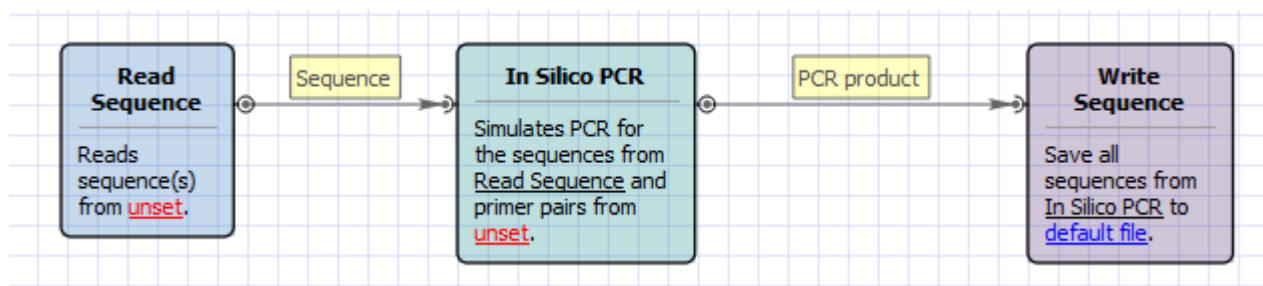
If you haven't used the workflow samples in UGENE before, look at the ["How to Use Sample Workflows"](#) section of the documentation.

## Workflow Sample Location

The workflow sample "In Silico PCR" can be found in the "Scenarios" section of the Workflow Designer samples.

## Workflow Image

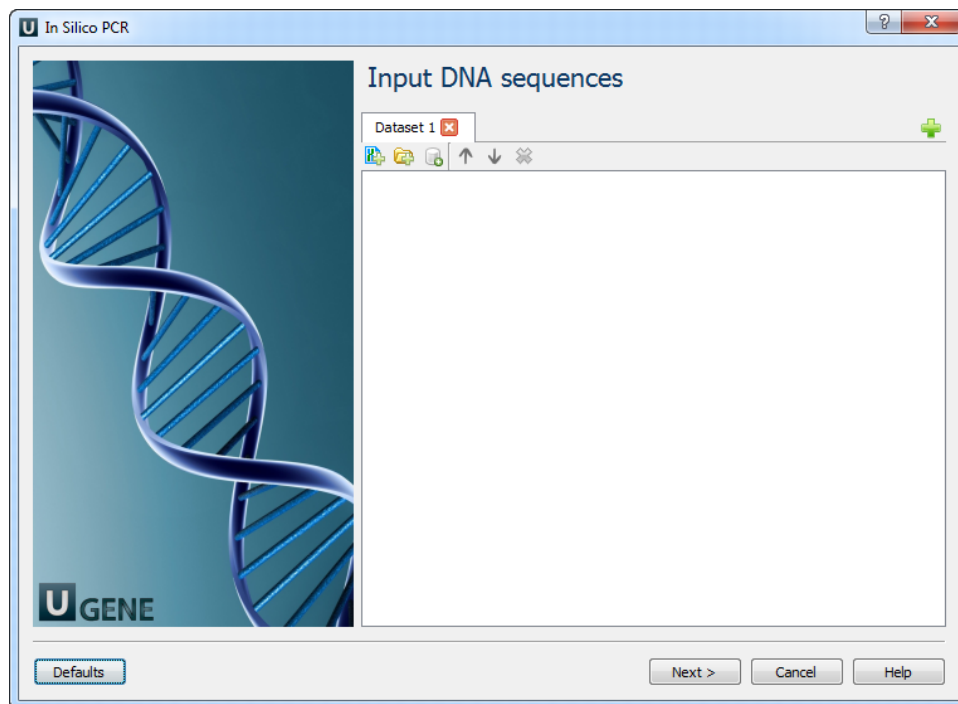
The opened workflow looks as follows:



## Workflow Wizard

The wizard has 3 pages.

1. Input DNA Sequences: On this page you must input DNA sequences.



2. Primers and Parameters: Here you must input *Primers* and you can optionally modify *In Silico PCR* parameters.

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### Primers and parameters

**Primers**

Primers URL: Required

**In silico PCR**

Mismatches: 3

Min perfect match: 15

Max product size: 5000

Buttons: Defaults, < Back, Next >, Cancel, Help

The following parameters are available:

|                   |  |
|-------------------|--|
| Primers URL       | A URL to the input file with primer pairs.               |
| Mismatches        | Number of allowed mismatches.                            |
| Min perfect match | Number of bases that match exactly on 3' end of primers. |
| Max product size  | Maximum size of amplified region.                        |

3. Output data: Here you can see information about output data.

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### Output data

The workflow output consists of the HTML report and the found amplified PCR products. File names of the products are based on the DNA sequence name and the primer names.

Buttons: Defaults, < Back, Apply, Cancel, Run, Help