



A Sysmex Group Company



TP53 Probe Green

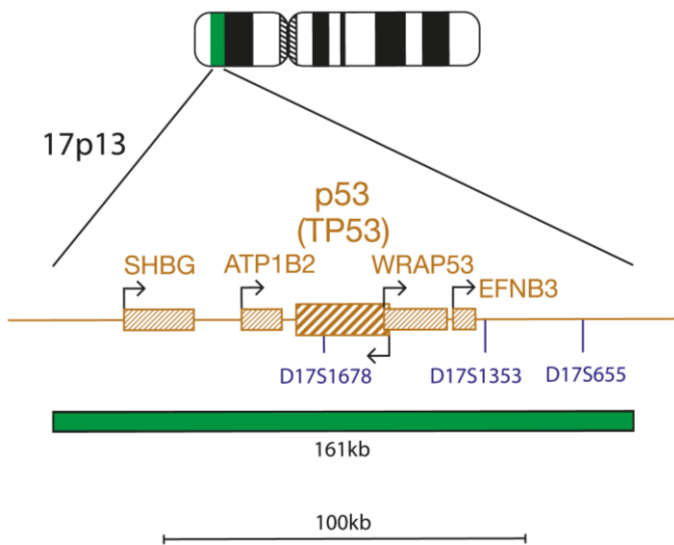
REF: LPD 504-A

Analyte Specific Reagent: Analytical and performance characteristics are not established.

Fluorescence *in situ* hybridization (FISH) is a technique that allows the visualization of DNA sequences upon chromosomes. The technique uses DNA probes that hybridize to entire chromosomes or single unique sequences, and serves as a powerful adjunct to classic cytogenetics. Recent developments have meant that this valuable technique can now be applied as an essential tool in prenatal, hematological and pathological chromosomal analysis. Target DNA, after fixation and denaturation, is available for annealing to a similarly denatured, fluorescently labelled DNA probe, which has a complementary sequence. Following hybridization, unbound and non-specifically bound DNA probe is removed and the DNA is counterstained for visualization. Fluorescence microscopy then allows the visualization of the hybridized probe on the target material.

Probe Specification

TP53, 17p13.1, Green



The TP53 probe, labeled in green, covers a 159kb region including TP53 gene.

Materials Provided

Probe: 50µl per vial
Probe concentration: 54.8-82.0ng/µl
 The probe is provided in hybridization solution (Formamide; Dextran Sulphate; SSC) and is ready to use.

Warnings and Precautions

1. For professional use only.
2. Wear gloves when handling DNA probes.
3. Probe contains formamide, which is a teratogen; do not breathe fumes or allow skin contact. Wear gloves, a lab coat, and handle in a fume hood. Upon disposal, flush with a large volume of water.
4. Dispose of all hazardous materials according to your institution's guidelines for hazardous waste disposal.
5. Operators must be capable of visually distinguishing between red, blue and green.

Storage and Handling

The Aquarius® kit should be stored between -25°C to -15°C in a freezer until the expiry date indicated on the kit label. Store the probe vial in the dark. Ensure that exposure of the probe to laboratory lights is limited at all times.

Known Cross-Reactivity

No known cross-reactivity.

Additional Information

For additional product information please contact the Cytocell Technical Support Department.

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Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):



GHS07

GHS08

Signal word (CLP): Danger

Hazardous ingredients: Formamide <100%

Hazard statements (CLP):

H315 – Causes skin irritation

H319 – Causes serious eye irritation

H360 – May damage fertility or the unborn child

Precautionary statements (CLP):

- P202 – Do not handle until all safety precautions have been read and understood
- P280 – Wear eye protection, protective clothing, protective gloves
- P302+P352 – IF ON SKIN: Wash with plenty of soap and water
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P308+P313 – IF exposed or concerned: Get medical advice/attention
- P362+P364 – Take off contaminated clothing and wash it before reuse
- P501 – Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Refer to Safety Data Sheet for more information.

Patents and Trademarks

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