

## Solution 15 – Hoechst 33342 910-3015

1 ml

Contents **Solution 15 – Hoechst 33342** (1 ml).

The solution contains Hoechst 33342 (500  $\mu g/ml \sim 0.9$  mM  $\sim 0.05\%$ ) and sodium azide

 $(NaN_3; 0.1 \text{ mg/ml} \sim 1.5 \text{ mM} \sim 0.01 \%).$ 

The EINECS no. for Hoechst 33342 is 245-691-1.

The EINECS no. for NaN<sub>3</sub> is 247-852-1.

**Application Solution 15 – Hoechst 33342** stains nuclei of living, fixed and permeabilized cells.

Hoechst 33342 is used for identification of cells and for quantifying DNA-content of e.g.,

animal cells, allowing determination of  $G_0/G_1$ , S, and  $G_2/M$  cell cycle phases.

**Principle** Solution 15 - Hoechst 33342 is a cell-permeable dye which preferably stains double-

stranded DNA.

The solution is for research use only (RUO) and is not for diagnostic or therapeutic uses. Use

Store at 2-8°C. **Storage** 

Stability Unopened microtubes can be stored until the expiry date indicated on the microtubes.

The solution is produced 15 months prior to the expiry date.

We recommend using the solution no later than the expiry date or two (2) months after

opening the microtubes, whichever comes first.

Safety In case of contact with eyes, rinse immediately with plenty of water and seek medical information

advice. If a spill is observed, perform a clean-up of the area which may have been in

contact with the solution.

Use gloves and suitable protective clothing.

Please also refer to the safety data sheet (SDS) for safety information.

Disposal After use, dispose of the microtube following national or local laws and regulations,

according to the nature of its contents.