

HiKaryoXL™ PHA-M Solution

With 1mg per ml PHA-M in sterile tissue culture grade water

Product Code: TCL071

Product Description:

Phytohemagglutinin (PHA-M) is a lectin extracted from red kidney bean *Phaseolus vulgaris*. PHA-M is the most common mitogen used for the stimulation of cell division in lymphocyte cultures. PHA-M is a mucoprotein consisting of two subunits, a leucoagglutinin (PHA-L) and an erythroagglutinin (PHA-E). Leucoagglutinin is responsible for mitogenic property of PHA-M as it has high affinity for lymphocyte surface receptors.

TCL071 is a sterile filtered solution of 1mg per ml PHA-M in sterile tissue culture water.

Size of pellet in mm (Control lot)

Value

Storage and Shelf Life:

Store at -30°C to -10°C.

Avoid repeated freeze thaw cycles.

Shelf life of the product is 24 months.

Use before expiry date given on the product label.

Directions:

1. Add 4ml of TCL071 per 100ml of culture medium.

Quality Control:

Appearance

Colorless, clear solution.

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Peripheral blood performance test

Passes

Mitotic index (Test lot)

NLT 0.01

Mitotic index (Control lot)

NLT 0.01

Morphology of chromosome

Long and cylindrical

% lymphocyte stimulation from 100 spreads

Value

Size of pellet in mm (Test lot)

Value

Disclaimer :

Revision: 03/2025

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