

## APPLICATION NOTES

### Product: HuSu-TRANS-HSC

### A PROGENITOR CELLULAR PLATFORM – A TOOL TO HUMANIZE PRE-CLINICAL MOUSE MODELS

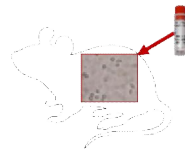
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#### Product Description:

TRANS-HSC is an *invitro* (human cord blood) sourced primary progenitor/stem cell based platform model composed of magnetically fractionated CD34+ cell aggregates. Each unit is tested negative for HIV-1, HBV, HCV, Mycoplasma, Bacteria, Yeast and Fungi.

Available in frozen condition (in DMSO). Ready to use with customized number per vial.

#### Injectable TRANS-HSC to Humanize:



#### Recommended:

As a tool to develop preclinical translational mouse models in Infectious diseases

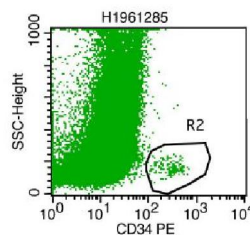
Measurable end points:

Mirror patient therapy or examine alternate therapies on models developed using TRANS-HSC



#### Purity:

The purity of CD34+ cells is  $\geq 90\%$  evaluated in flow cytometer



**Stability & Storage:**

Product stable at -80°C or colder for 8 months from date of receipt. Thawed units must be used immediately.

**Instructions to use TRANS-HSC:**

Thaw, Decant, Add medium to acclimatize, Centrifuge, Reconstitute the pellet to inject

**Advantages using TRANS-HSC:**

Development of multiple hematopoietic lineages; Primary immune responses in the model developed

Ready to use; No culturing procedure involved to use; No tissue culture facility required to use

**Features:**

Fractionated sterile CD34+ cell aggregates packaged as injectable units; Processed, pooled batch wise to be Bioburden free

**Benefits:**

Humanized mouse models developed with TRANS-HSC combine the value of animal models with the accuracy of human immune responses

Made available from abundantly sourced biological material

**HuSu-TRANS-HSC for:**

Type of testing:

To develop humanized mouse models representing human Infectious diseases

**Level of assessment:**

Test material's druggability to treat or cure human infectious diseases on the pre-clinical research model developed injecting TRANS-HSC

**Purpose of testing:**

Exploratory preclinical evaluation of chemical library, hits, leads, investigational new drugs for human application and compatibility