

## High Density Spin Medium (1.1 g/ml)




**Order No.**
**Size**

60-01103-12

500 ml

60-01103-11

250 ml

### Description

Density Diluent Medium is a ready to use, sterile medium for the preparation of different density working solutions for the enrichment of cells, bacteria and other particles. The working solutions can be prepared by the dilution of High Density Spin Medium with Density Diluent Medium.

### Application

#### Preparation of Common Densities

To create your own density solution High Density Spin Medium and Deniuent Medium has to be mixed in appropriate quantities. You can use the table below for this calculation.

| Common Density (g/ml) | Volume (ml) | Cell Types      | Volume of High Density Spin Medium (ml) | Volume of Density Diluent Medium(ml) |
|-----------------------|-------------|-----------------|---|--------------------------------------|
| □                     | □           |                 | 35                                      | 65                                   |
| 1.069                 | 100         | Human Monocytes | 15                                      | 85                                   |
| 1.077                 | 100         | Human PBMC      | 35                                      | 65                                   |
| 1.094                 | 100         | Human PMNC      | 77.5                                    | 22.5                                 |

Ensure that both solutions have the same temperature before mixing them. The High Density Spin Medium is highly viscous and needs to be pipetted very slowly. Alternatively it is possible to weigh out the releveant amounts of the media. The required mass will be calculated with the volume and the wanted density. Stir the mixture gently approximatly five minutes. Try to avoid air bubbles, otherwise you'll have to wait until the media is clear again before starting your experiment.

### Additional Information

|                      |  |
|----------------------|--|
| Delivery Time (days) | 1-2  |
| Shipping Condition   | Room Temperature   |
| Storage Condition    | Room temperature, protect from light                         |
| Regulatory Statement | For research use only. Not for use in diagnostic procedures. |
| pH Range             | 6.8 - 7.4  |

### Warning and Limitations

This product is for research and development only, not for diagnostic or therapeutic use.